

Curriculum Vitae

Name: Dan Li

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Education and Training

Undergraduate

2006-2007	University of Miami, School of Nursing Miami, USA	BSN
1997-2001	Shenyang University Shenyang, P.R. China	Mechanical Engineering
1997-2001	Northeastern University Shenyang, P.R. China	Bachelor of Science, Computer Information System (2nd degree)

Graduate

2008-2013	University of Miami, School of Nursing, Miami, USA	Ph.D
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Appointments and Positions

Academic

2015-current	University of Pittsburgh, School of Nursing	Graduate Faculty
2014-current	University of Pittsburgh, School of Nursing Pittsburgh, USA	Assistant Professor
2014-2018	University of Pittsburgh, School of Nursing Pittsburgh, USA	Nursing Informatics Interim Coordinator
2011-2012	University of Miami, School of Medicine Miami, U.S.A	Research Nurse

Non-Academic

2007-2008	North Shore Medical Center, Miami, U.S.A	RN, Staff nurse
2001-2003	XinFei Electric Company, Shenyang, P.R.China	Data scientist

Licensure and Certification

2008-current	RN665414	PA
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Membership in Professional and Scientific Societies

2008-	Member, Sigma Theta Tau International Honor Society of Nursing
2015-	Member, American Medical Informatics Association
2015-	Member, American Nurses Association

2016-	Member, Healthcare Information and Management System Society (HIMSS)
2016-	Member, American Nursing Informatics Association
2017-	Member, Wound, Ostomy, Continence Nurses Society
2017-	Member, Marquis Who's who
2019-	Member, Academy of Neonatal Nursing

Honors

1997-2001	Honors Student Fellowship, Shenyang University, Shenyang, P.R. China
2008-current	Sigma Theta Tau International Honor Society

Publications

Refereed Articles * = Data Based

1. * **Li, D.**, & Korniewicz, D. M. (2013). Determination of the effectiveness of electronic health records to document pressure ulcers. *Medsurg Nursing*, 22(1), 17-25.
2. * **Li, D.** (2016). The relationship among pressure ulcer risk factors, incidence and nursing documentation in hospital-acquired pressure ulcer patients in intensive care units. *Journal of Clinical Nursing*, 25(15-16), 2336-2347. doi:10.1111/jocn.13363
3. * **Li, D.**, & Mathews, C. (2017). Automated measurement of pressure injury through image processing. *Journal of Clinical Nursing*, 26(21-22), 3564-3575. 10.1111/jocn.13726
4. * **Li, D.**, Mathews, C., & Zhang, F. (2018). The characteristics of pressure injury photographs from the electronic health record in clinical settings. *Journal of Clinical Nursing*, 27(3-4), 819-828. 10.1111/jocn.14124
5. Sun, R., Korytkowski, M. T., Sereika, S. M., Saul, M. I., **Li, D.**, & Burke, L. E. (2018). Patient portal use in diabetes management: Literature review. *Journal of Medical Internet Research*, 20(11) doi:10.2196/11199
6. * **Li, D.**, Henker, R., & Zhang, F. (2019). Perianesthesia Measurement During Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy Procedure: A Case Report and Review of the Literature. *Journal of PeriAnesthesia Nursing*, 34(1), 198-205.
7. * Sun, R., Burke, L. E., Saul, M. I., Korytkowski, M. T., **Li, D.**, & Sereika, S. M. (2019). Use of a patient portal for engaging patients with type 2 diabetes: Patterns and prediction. *Diabetes Technology & Therapeutics*, doi:10.1089/dia.2019.0074
8. * Sun, R., Burke, L., Korytkowski, M., Saul, M., **Li, D.**, & Sereika, S. (2020). A longitudinal examination of patient portal use on glycemic control among patients with uncontrolled type 2 diabetes. *Diabetes Research and Clinical Practice*, 170, 108483–108483. <https://doi.org/10.1016/j.diabres.2020.108483>
9. *Zheng, Y., Siminerio, L. M., Krall J., Anton, B. B., Hodges, J. C., Bednarz L., **Li D.**, Ng, J. M. (2021). Applying Real-world Data to Inform Continuous Glucose Monitoring Use in Clinical Practice. *J Diabetes Sci Technol*, 1932296821997403. doi:10.1177/1932296821997403
10. *Zhang, B., **Li, D.**, Liu, Y., Wang, J., & Xiao, Q. (2021). Virtual reality for limb motor function, balance, gait, cognition and daily function of stroke patients: A systematic review and meta-analysis. *Journal of Advanced Nursing*. <https://doi.org/10.1111/jan.14800>
11. * **Li, D.**, Huang, S., Zhang, F., Ball, R. D., & Huang, H. (2021). Perianesthesia Care of the Oncologic Patient Undergoing Cytoreductive Surgery with Hyperthermic Intraperitoneal Chemotherapy: A Retrospective Study. *Journal of perianesthesia nursing : official journal of the American Society of PeriAnesthesia Nurses*, 36(5), 543–552.
12. * **Li, D.**, Mathews, C., Zamarripa, C., Zhang, F., & Xiao, Q. (2022). Wound tissue segmentation by computerised image analysis of clinical pressure injury photographs: a

- pilot study. *Journal of wound care*, 31(8), 710–719.
<https://doi.org/10.12968/jowc.2022.31.8.710>
13. * Zhang, F., Huang, S., **Li, D.**, Huang, H., & O'Donnell, J. M. (2022). Anesthesia Management for Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy Surgery on Short-Term Patient Outcomes. *AANA journal*, 90(5), 347–358.
 14. * Zheng, Y., Anton, B., Rodakowski, J., Altieri Dunn, S. C., Fields, B., Hodges, J. C., Donovan, H., Feiler, C., Martsolf, G., Bilderback, A., Martin, S. C., **Li, D.**, & James, A. E. (2022). Associations Between Implementation of the Caregiver Advise Record Enable (CARE) Act and Health Service Utilization for Older Adults with Diabetes: Retrospective Observational Study. *JMIR aging*, 5(2), e32790. <https://doi.org/10.2196/32790>

Published Abstracts

1. Jaffer, A., **Li, D.**, Schwartz, P., Kalidindi, V. (2012). The Practice and Utility of Daily Complete Blood Counts (Cbcs) on Hospitalized Patients [abstract]. *Journal of Hospital Medicine*, 7 (suppl 2).
2. Jaffer, A., **Li, D.**, Zuleta, J., Symes, S., Abbas, S. (2012). Hospital Medicine Full Circle: Impact of Incorporating Housestaff Into a Productive Nonteaching Hospitalist Group [abstract]. *Journal of Hospital Medicine*, 7 (suppl 2).
3. **Li, D.** (2015). The relationship between nursing documentation in EHR and the incidence of pressure ulcers in the intensive care units (ICUs) [Abstract]. *Oral session presented at 25th Annual Summer Institute in Nursing Informatics Conference: Realizing the Benefits: Health Care and Information Technology (SINI 2015)*, Baltimore, MD.
4. **Li, D.**, & Mathews, C. (2017). Outstanding Research—Podium: The Characteristics of Pressure Injury Photographs from the Electronic Health Record in Clinical Settings. *CIN: Computers, Informatics, Nursing*, 35(9), 443.
5. Sun, R., Sereika, S. M., Saul, M. I., Korytkowski, M. T., **Li, D.**, & Burke, L. E. (2018). Electronic Messaging Use via a Patient Portal Is Associated with Primary Care Utilization in Patients with Type 2 Diabetes. *Diabetes*, 67 (Supplement 1) 1275-P; DOI: 10.2337/db18-1275-P. Poster presentation at the American Diabetes Association 78th Scientific Sessions, Orlando, FL. <https://doi.org/10.2337/db18-1275-P>

Research

Principal Investigator: Dan Li

1. Funding Agency and Grant Number: **American Nurses Foundation**
Title of Grant: Automated Pressure Ulcer Information Retrieval through Image Processing Technologies
Years Inclusive and Percent Effort: 09/01/2015-08/31/2017; 20%
Total Amount of Award: \$9,402 Funded
2. Funding Agency and Grant Number: **University of Pittsburgh Central Research Development Fund (CRDF)**
Title of Grant: Predictive Modeling for Anesthesia Outcomes of Cytoreductive Surgery with Hyperthermic Intraperitoneal Chemotherapy (CRS+HIPEC) from Electronic Health Record via Machine Learning Algorithms
Years Inclusive and Percent Effort: 7/31/2016 – 6/30/2018; 20%
Total Amount of Award: \$16,000 Funded

3. Funding Agency and Grant Number: **University of Pittsburgh Competitive Medical Research Fund (CMRF)**
Title of Grant: Predictive Modeling of Length of Hospital Stay Following Cytoreductive Surgery with Hyperthermic Intraperitoneal Chemotherapy (CRS+HIPEC) by Artificial Neural Networks and Support Vector Regression
Years Inclusive and Percent Effort: 07/01/2018-06/30/2020; 20%
Total Amount of Award: \$24,763 *not funded*
4. Funding Agency and Grant Number: **The Beckwith Institute's Bench at the Bedside Program**
Title of Grant: Predictive Modeling for Hypotension after Induction of General Anesthesia from Electronic Health Record via Data Mining
Years Inclusive and Percent Effort: 20%
Total Amount of Award: \$75,000 *not funded*
5. Funding Agency and Grant Number: **NIH, NINR R21NR018241-01**
Title of Grant: Computerized Segmentation and Assessment of Pressure Injury from Clinical Wound Photographs
Years Inclusive and Percent Effort: 09/01/2018-08/31/2020; 30%
Total Amount of Award: \$275,000 (*Direct cost*) *not funded*.
6. Funding Agency and Grant Number: **American Nurses Foundation**
Title of Grant: Pressure Injury (PI) Image Evaluation with Computer Vision Technology
Years Inclusive and Percent Effort: 09/01/2018-08/31/2020; 25%
Total Amount of Award: \$29,929 Funded
7. Funding Agency and Grant Number: **Ruth Perkins Kuehn Award FY19**
Title of Grant: Understanding of Wound Characteristics for Non-Healing Pressure Injuries in Older Adults
Years Inclusive and Percent Effort: 09/01/2018-08/31/2020; 25%
Total Amount of Award: \$25,640 Funded
8. Funding Agency and Grant Number: **National Science Foundation -Smart and Connected Health (SCH)**
Title of Grant: New Machine Learning Framework to Conduct Anesthesia Risk Stratification and Decision Support for Precision Health
Years Inclusive and Percent Effort: 10/01/2018-09/30/2022;
Total Amount of Award: \$1,182,305, CO-PI with 15% efforts, Funded
9. Funding Agency and Grant Number: **NIH, NINR R01NR018419**
Title of Grant: Characterizing Pressure Injury Healing in Older Adults through Innovative Wound Image Analysis
Years Inclusive and Percent Effort: 04/01/2019-03/31/2024; 30%
Total Amount of Award: \$2,132,148 (*Direct cost*) *not funded*
10. Funding Agency and Grant Number: **NIH, NINR R21NR018960-01**
Title of Grant: A Data-Driven Expert System to Achieve Anesthetist-Level Intraoperative Management through Deep Reinforcement Learning

Years Inclusive and Percent Effort: 09/01/2019-08/31/2021; 25%
Total Amount of Award: \$275,000 (Priority Score 44; not funded)

11. Funding Agency and Grant Number: **NIH, NINR R21 NR018960-01A1**
Title of Grant: A Data-Driven Expert System to Achieve Anesthetist-Level Intraoperative Management through Deep Reinforcement Learning
Years Inclusive and Percent Effort: 09/01/2020-08/31/2022; 30%
Total Amount of Award: \$275,000 (Priority Score 46; not funded)
12. Funding Agency and Grant Number: **NIH, 1 R01 EB033541-01**
Title of Grant: A Data-Driven Expert System to Achieve Anesthetist-Level Intraoperative Management through Deep Reinforcement Learning
Years Inclusive and Percent Effort: 09/01/2022-08/31/2027; 40%
Total Amount of Award: \$ 2,287,342 (not funded)

Co- Investigator

13. Principal Investigator and Institution: Julia Driessen, Graduate School of Public Health at the University of Pittsburgh
Funding Agency and Grant Number: AHRQ PA-15-339 R01
Title of Grant: Adoption, Use, and Impact of Telemedicine for Reducing Potentially Avoidable Hospitalizations in Nursing Homes
Years Inclusive and Percent Effort: 12/1/2016 - 11/30/2019, 5%, not funded
14. Principal Investigator and Institution: Fei Zhang, School of Nurisng at the University of Pittsburgh
Funding Agency and Grant Number: **CRE pilot/feasibility study program**
Title of Grant: Applying Real-Time Analytics to High-Resolution Peri-Operative Data among Non-Cardiac Thoracic Surgery Patients: Surgery Risk Assessment through Deep-Learning Methodology
Years Inclusive and Percent Effort: 1/01/2020-12/31/2020;
Total Amount of Award: \$14,970, 10% efforts, Funded

Other Scholarly Activities

Manuscript Reviewer

2015-Current	Journal of Wound, Ostomy and Continence Nursing
2017-Current	BMJ Open
2017-Current	IEEE Transactions on Medical Imaging
2017-Current	The Open Nursing Journal
2018-Current	Critical Care Nurse
2019	AMIA 2020 Informatics Summit

Consultation

2015	Patent review: Pitt Ref No.: 03652 Technology Title: PUMP - Pressure Ulcer Monitoring Platform
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Unpublished Presentations

International:

Li, D. (2008). *Concept Analysis: Simulation in Nursing Education*. Oral session presented at 20th International Nursing Research Congress Focusing on Evidence-Based Practice, Vancouver, British Columbia, Canada.

National:

1. Zhang, F., **Li, D.**, Whitehurst, S., & Mahajan, A. (2022). Implementation of a High-Fidelity Intraoperative Data Acquisition System in Operating Rooms for Anesthesia-Related Research. IARS AUA SOCCA annual meeting 2022
2. Mondell, S., Perry, B., **Li, D.** (2021). Evaluating the Impact of a Customizable Nurse Call System on Driving Clinical Transformation Through the Hardwiring of an Hourly Rounding Process. Poster presentation for the 2021 Annual SWPONL Nursing Leadership Conference
3. Zheng, Y., Hodges, J., Dunn, S.A., Feiler, C., **Li, D.**, Bilderback, A., Martin, S.C., Anton, B. (2020). *The Associations between Identifying a Home Caregiver and Diabetic Patients' Outcomes: Leveraging Data from Electronic Health Records*. Poster presentation at AMIA 2020 Informatics Virtual Summit.
4. Zheng, Y., Siminerio, L. M., Anton, B. N, Krall, J., Bednarz, L., **Li, D.**, Jason M Ng, J. M. (2020). *Is Continuous Glucose Monitoring Effective? Evidence from Real-world Data*. Poster presentation at American Diabetes Association® (ADA) 80th Scientific Sessions: A Virtual Experience.
5. Ziemba, B., Fairbaugh, J., & **Li, D.** (2019). *Preparation for Implementation of Barcode Scanning to Reduce Errors Associated with Human Milk Management*. Poster presentation at National Neonatal/Mother Baby/Advanced Practice Nurses Conference in Orlando, FL
6. Sun, R., Burke, L. E. Saul, M. Korytkowski, M. T., **Li, D.**, & Sereika, S. (2019). *Usage of a Patient Portal for Engaging Patients with Type 2 Diabetes: Patterns and Prediction*. Poster presentation at the ENRS Annual Scientific Sessions, school-selected poster, Providence, RI.
7. Sun, R., Korytkowski, M. T., Sereika, S. M., Saul, M. I., **Li, D.**, & Burke, L. E. (2018). *Patient Portal Use in Diabetes Management: A Literature Review*. Poster presentation at the AMIA Annual Symposium, San Francisco, CA.
8. **Li, D.**, & Mathews, C. (2017). Outstanding Research—Podium: The Characteristics of Pressure Injury Photographs from the Electronic Health Record in Clinical Settings. Oral session presented at 25th Annual Summer Institute in Nursing Informatics Conference: *Realizing the Benefits: Health Care and Information Technology* (SINI 2017), MD
9. **Li, D.**, & Mathews, C. (2017). *Automated Measurement of Pressure Injury/Ulcer through Image Processing*. Poster session presented at the WOCN Society's 49th Annual Conference, Salt Lake City, UT.
10. **Li, D.**, & Mathews, C. (2017). *Pressure Injury Measured from Digital Clinical Photographs Using Image Processing Technology*. Poster session presented at American Nursing Informatics Association 2017 Conference, New Orleans, LA
11. **Li, D.** (2015). *The Relationship between Nursing Documentation in EHR and the Incidence of Pressure Ulcers in the Intensive Care Units (ICUs)*. Oral session presented at 25th Annual Summer Institute in Nursing Informatics Conference: *Realizing the Benefits: Health Care and Information Technology* (SINI 2015), MD
12. Baltimore, Porteous, H., Manjarrez, E., Laboon, A., Gonzalez, A., Cutting, W., Shah, N.,

- Cordova, C., Li, D., & Meneghini, L. (2012). *The impact of hospitalists and insulin order sets on glycemic control and clinical outcomes on hospitalized patients at a regional cancer center*. Poster session presented at the Florida Chapter 2012 Associates meeting of American College of Physicians, Orlando, FL.
13. Schwartz, P.H., Kalidindi, V., Li, D., & Jaffer, A.K. (2012). *The practice and utility of daily CBCs on hospitalized patients*. Poster session presented at the annual meeting of Society of Hospital Medicine, San Diego, CA.
14. Zuleta, J., Li, D., & Jaffer, A. K. (2012). *Hospital medicine full circle: impact of incorporating housestaff into a productive non-teaching hospitalist group*. Poster session presented at the annual meeting of Society of Hospital Medicine annual, San Diego, CA.

Local:

Li, D., & Korniewicz, D. M. (2010). *Pressure Ulcer Documentation: Comparison between Medical Record (EMR) and Paper-based Record: A Pilot Study*. Oral session presented at 4th Annual South Florida Research Consortium Conference, Miami, FL.

Teaching**Primary Teacher**

Term / Years	Course Number & Title	No. of Students	Level	Didactic or Clinical
Fall 2014	Methods in Technology Evaluation and Usability NURSP 2383	10	Graduate	Didactic
Fall 2014	Nursing Informatics Practicum 1 NURSP 2085	3	Graduate	Clinical
Spring 2015	Information Technology Project NURSP 2070	4	Graduate	Didactic
Spring 2015	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Spring 2015	Nursing Informatics Practicum 2 NURSP 2086	3	Graduate	Clinical
Summer 2015	Nursing Informatics Theories & Issues NURSP 2082	8	Graduate	Didactic
Summer 2015	Nursing Informatics Practicum 1 NURSP 2085	2	Graduate	Clinical
Spring 2016	Information Technology Project NURSP 2070	6	Graduate	Didactic
Spring 2016	Nursing Informatics Practicum 1 NURSP 2085	2	Graduate	Clinical
Spring 2016	Nursing Informatics Practicum 2 NURSP 2086	2	Graduate	Clinical
Summer 2016	Nursing Informatics Theories & Issues NURSP 2082	3	Graduate	Didactic

Summer 2016	Nursing Informatics Practicum 1 NURSP 2085	3	Graduate	Clinical
Summer 2016	Nursing Informatics Practicum 2 NURSP 2086	3	Graduate	Clinical
Fall 2016	Methods in Technology Evaluation and Usability NURSP 2383	2	Graduate	Didactic
Fall 2016	Nursing Informatics Practicum 2 NURSP 2086	3	Graduate	Clinical
Spring 2017	Information Technology Project NURSP 2070	6	Graduate	Didactic
Spring 2017	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Spring 2017	Nursing Informatics Practicum 2 NURSP 2086	1	Graduate	Clinical
Summer 2017	Nursing Informatics Theories & Issues NURSP 2082	3	Graduate	Didactic
Summer 2017	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Summer 2017	Nursing Informatics Practicum 2 NURSP 2086	2	Graduate	Clinical
Fall 2017	Methods in Technology Evaluation and Usability NURSP 2383	4	Graduate	Didactic
Fall 2017	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Spring 2018	Information Technology Project NURSP 2070	4	Graduate	Didactic
Spring 2018	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Summer 2018	Nursing Informatics Theories & Issues NURSP 2082	4	Graduate	Didactic
Summer 2018	Nursing informatics Nur 0086	43	2 nd degree	Didactic
Summer 2018	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Fall 2018	Nursing informatics Nur 0086	27	2 nd degree	Didactic
Fall 2018	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Fall 2018	Methods in Technology Evaluation and Usability NURSP 2383	4	Graduate	Didactic
Spring 2019	Information Technology Project NURSP 2070	7	Graduate	Didactic
Spring 2019	Nursing Informatics Practicum 2 NURSP 2086	2	Graduate	Clinical
Summer 2019	Nursing Informatics Theories & Issues NURSP 2082	5	Graduate	Didactic

Summer 2019	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Summer 2019	Nursing Informatics Practicum 2 NURSP 2086	1	Graduate	Clinical
Fall 2019	Nursing Informatics Practicum 2 NUR 0086	50	Undergraduate	Didactic
Fall 2019	Methods in Technology Evaluation and Usability NURSP 2383	6	Graduate	Didactic
Fall 2019	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Fall 2019	Nursing Informatics Practicum 2 NURSP 2086	1	Graduate	Clinical
Fall 2019	Transition into Professional Nursing Clinical NUR 1134c/1234c	3	Undergraduate	Clinical
Spring 2020	Information Technology Project NURSP 2070	5	Graduate	Didactic
Spring 2020	Nursing informatics NUR 0086	37	Undergraduate	Didactic
Spring 2020	Transition into Professional Nursing Clinical NUR 1134c/1234c	8	Undergraduate	Clinical
Summer 2020	Introduction of health informatics NURSP 2075	11	Graduate	Didactic
Summer 2020	Nursing Informatics Theories & Issues NURSP 2082	8	Graduate	Didactic
Fall 2020	Methods in Technology Evaluation and Usability NURSP 2383	7	Graduate	Didactic
Fall 2020	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Fall 2020	Nursing informatics NUR 0086	206	Undergraduate	Didactic
Spring 2021	Nursing Informatics Practicum 2 NURSP 2086	1	Graduate	Clinical
Spring 2021	Information Technology Project NURSP 2070	8	Graduate	Didactic
Spring 2021	Nursing informatics NUR 0086	98	Undergraduate	Didactic
Spring 2021	Transition into Professional Nursing Clinical NUR 1135	6	Undergraduate	Clinical
Summer 2021	Introduction of health informatics NURSP 2075	15	Graduate	Didactic
Summer 2021	Nursing Informatics Theories & Issues NURSP 2082	10	Graduate	Didactic
Fall 2021	Methods in Technology Evaluation and Usability NURSP 2383	6	Graduate	Didactic
Fall 2021	Nursing informatics NUR 0086	98	Undergraduate	Didactic

Spring 2022	Nursing Informatics Practicum 1 NURSP 2085	1	Graduate	Clinical
Spring 2022	Information Technology Project NURSP 2070	4	Graduate	Didactic
Spring 2022	Nursing informatics NUR 0086	26	Undergraduate	Didactic
Spring 2022	Nursing Informatics Practicum 2 NURSP 2086	1	Graduate	Clinical
Summer 2022	Introduction of health informatics NURSP 2075	16	Graduate	Didactic
Summer 2022	Nursing Informatics Theories & Issues NURSP 2082	1	Graduate	Didactic
Summer 2022	Transition into Professional Nursing Clinical NUR 1134c/1234c	4	Undergraduate	Clinical
Fall 2022	Methods in Technology Evaluation and Usability NURSP 2383	2	Graduate	Didactic
Fall 2022	Nursing informatics NUR 0086	94	Undergraduate	Didactic
Fall 2022	Transition into Professional Nursing Clinical NUR 1135	2	Undergraduate	Clinical

Lecturer / Guest Lecturer

Term/Years	Course Number & Title	No. of Students	Level	Topic of Lecture
Spring/2015	NUR1079	6	UNDER GRADUATE	Introduction of nursing informatics program
Spring/2016	NUR1079	4	UNDER GRADUATE	Introduction of nursing informatics program
Fall 2016	NUR 0001	132	UNDER GRADUATE	Introduction of nursing informatics program
Spring 2018	NUR 0086	139	UNDER GRADUATE	Automated Pressure Injury Assessment via Image Processing Technology
Spring 2018	NUR 0086	19	2 ND degree	Automated Pressure Injury Assessment via Image Processing Technology
Summer 2020	NUR 3072	10	Graduate	Deep leaning in healthcare
Summer 2020	NURSP 2075	43	Graduate	Deep leaning in healthcare
Summer 2020	NUR 3072	8	Graduate	Deep leaning in healthcare
Summer 2020	NURSP 2075	40	Graduate	Deep leaning in healthcare
Summer 2020	NUR 3072	15	Graduate	Deep leaning in healthcare
Summer 2020	NURSP 2075	36	Graduate	Deep leaning in healthcare

PhD Dissertations

- Sun, Ran Ph.D student, committee member, Project title: Patient Portal Use and its Association with Clinical Outcomes in Patients with Type 2 Diabetes, graduated in 2020
- Altamimi, Mujahid, Ph.D student, committee member, Project title: The Impact of Patient Portal Use on Diabetes Care and Healthcare Utilization, 2021-current
- Runxue Bao, Ph.D student, committee member, Department of Electrical and Computer Engineering, 2020-current

Other Mentoring Activities

1. Informatics Practicum

- Ryan, Malgorzata Anna, practicum mentor, 2014 fall, project title: Implementation of Cerner's eQuality Check in Concurrent Collection of Clinical Core Measure Data
- Ryan, Malgorzata Anna, practicum mentor, 2015 spring, project title: The Human Factors Evaluation and Comparison of Three Different Models of External Defibrillators: Medication education and patient safety (MEPS) (research proposal)
- Steven Wetherill, practicum mentor, 2014 fall, project title: CareCompass: overview and Survey Results
- Steven Wetherill, practicum mentor, 2015 spring, project title: Transition of Care
- Colleen Tipping, practicum mentor, 2014 fall, project title: Design and implementation of a standardized maternal and newborn product for electronic medical record documentation: Cerner Powerchart maternity's gestation at Magee-Women's Hospital at UPMC
- Danielle Siarri, practicum mentor, 2015 summer, project title: UA testing for gaps in care
- Danielle Siarri, practicum mentor, 2016 spring, project title: Precertification Spinal Surgery Project
- Ran Sun, practicum mentor, 2016 summer, project title: Is there an association between patient mobility level and discharge location?
- Warren Ward, practicum mentor, 2016 spring, project title: Cerner Bridge Transfusion
- Sheri Walker, practicum mentor, 2016 fall, project title: Reducing Errors in Lab Specimen Labeling: A Workflow Assessment of Workarounds
- Nickolai Stefko, 2016 fall, project title: Design considerations of Infusion Interoperability: Streamlining EHR and Infusion Pump Functionality
- Dengler, Clarissa, spring 2017, project title: The Importance of Dosing Weights in Infusion Interoperability
- Taya Irizarry, 2017 spring, project title: Documenting Medications by History-Process Review & Improvement of Educational Materials in UPMC
- Dengler, Clarissa, 2017 summer, project title: UPMC eRecord training evaluation
- Wu, Linden, 2017 summer, project title: WPIC information system training
- Marks, Tahirah, 2018 spring, project title: Sharing Electronic Health Record Data to Increase Patient Recruitment in Clinical Trials
- Marks, Tahirah, 2018 summer project title: Sharing Electronic Health Record Data to Increase Patient Recruitment in Clinical Trials
- Ziemba, Bethany, 2018 fall, project title: Preparation for Implementation of Barcode Scanning to Reduce Errors Associated with Human Milk Management and Administration
- Ziemba, Bethany, 2019 spring, project title: Preparation for Implementation of Barcode Scanning to Reduce Errors Associated with Human Milk Management

- Marks, Tahirah, 2019 spring, project title: Using Data Analytics to Reduce Clinical Variation
- Yaguang, Zheng, 2020 spring and summer, project title: Is Continuous Glucose Monitoring Effective? Evidence from Real-world Data
- Dawna M. Benanchietti, 2022 spring and summer, project title: Virtual health

2. Undergraduate Mentorship

- Jasmine Brown and Zijing Chen (URMP), undergraduate research mentorship, 2015 fall-2018, Automated Pressure Ulcer Information Retrieval Through Image Processing Technologies
- Alyssa Miranda (URMP), undergraduate research mentorship, 2016 fall-2018, Predictive Modeling for Anesthesia Outcomes of Cytoreductive Surgery with Hyperthermic Intraperitoneal Chemotherapy (CRS+HIPEC) from Electronic Health Record via Machine Learning Algorithms
- Phipps, Courtney (URMP), undergraduate research mentorship, 2018 -Current, Pressure Injury (PI) Image Evaluation with Computer Vision Technology
- Morris, Sara Katelynn, undergraduate research mentorship, 2020 -Current, New Machine Learning Framework to Conduct Anesthesia Risk Stratification and Decision Support for Precision Health

3. Postdoc Mentoring

- Shah, Lisa, Mentor, Project title: Optimizing and Utilizing Family Health History to Maximize Wellness

Service

University Committees

06/2015—03/2016 Education & Curriculum Committee member

Purpose: to develop a new academic unit at University of Pittsburgh focusing on computing and information.

School Committees

08/2014—08/2015 BSN council member

08/2014—current MSN council member

08/2014—current Department meeting member

08/2014—current School-wide curriculum committee member

08/2014—current Total faculty meeting member

Other Professional Activities

08/2014—current UPMC System Informatics Council member

Purpose: to discuss the current technology used in the UPMC system

03/2017—current WOCN lead contact professional practice meeting member

Purpose: to discuss and optimize the current wound care practice in the UPMC system

09/2019—current HIMSS Marketing & Communications Committee member

Purpose: to let the health IT community know about HIMSS events, activities, and news