

## Curriculum Vitae

**Name:** Dan Li

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### Education and Training

#### **Undergraduate**

|           |  |         |
|-----------|--|---------|
| 1997-2001 | Shenyang University, Shenyang, P. R. China         | BSME    |
| 1997-2001 | Northeastern University, Shenyang, P. R. China     | BSc CIS |
| 2006-2007 | University of Miami, School of Nursing, Miami, USA | BSN     |

#### **Graduate**

|           |  |      |
|-----------|--|------|
| 2008-2013 | University of Miami, School of Nursing, Miami, USA | Ph.D |
|-----------|--|------|

### Appointments and Positions

#### **Academic**

|              |  |  |
|--------------|--|--|
| 2014-current | University of Pittsburgh, School of Nursing<br>Pittsburgh, USA | Assistant Professor<br>& Interim Coordinator |
| 2011-2012    | University of Miami, School of Medicine<br>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  |

### 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<br>(HIMSS) |
| 2016- | Member, American Nursing Informatics Association                        |
| 2016- | Member, Healthcare Information and Management Systems Society           |
| 2017- | Member, Wound, Ostomy, Continence Nurses Society                        |
| 2017- | Member, Marquis Who's who   |

#### 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*, doi:10.1111/jocn.13726
4. **Li, D.**, Henker, RA, Zhang, F (in press). Perianesthesia Measurement during Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy Procedure: a Case Report and Review of Literature. *Journal of PeriAnesthesia Nursing*
5. \* **Li, D.**, Mathews, C, & Zhang, F (in press). The Characteristics of Pressure Injury Photographs from the Electronic Health Record in Clinical Settings. *Journal of Clinical Nursing*

**Published Abstracts**

1. **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.
2. **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.

**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: \$8706 (*Direct Costs*)
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 (*Direct Costs*)

**Co- Investigator**

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%  
Total Amount of Award: *Pending*

**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                        |

**Consultation**

|      |   |
|------|---|
| 2015 | Patent review: Pitt Ref No.: 03652 Technology<br>Title: PUMP - Pressure Ulcer Monitoring Platform |
|------|---|

**Unpublished Presentations**

**International:**

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

**National:**

2. **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.
3. **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
4. **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
5. 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.
6. 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.
7. 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:**

8. **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

#### **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

##### **2. Undergraduate Mentorship**

- Jasmine Brown and Zijing Chen (URMP), undergraduate research mentorship, 2015 fall-Current, Automated Pressure Ulcer Information Retrieval Through Image Processing Technologies
- Alyssa Miranda, undergraduate research mentorship, 2017 fall-Current, Predictive Modeling for Anesthesia Outcomes of Cytoreductive Surgery with Hyperthermic Intraperitoneal Chemotherapy (CRS+HIPEC) from Electronic Health Record via Machine Learning Algorithms

### 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                 |                                 |        |
| 06/2017—current  | UPMC wound care nurse Council   | member |
| Purpose: to discuss the issues and provide update on wound care in the UPMC system |                                 |        |