Darryl Hannan

651 School Line Drive, King of Prussia, PA
dhannan1@villanova.edu · hannandarryl.github.io

Education

University of North Carolina - Chapel Hill **August 2018**
PhD in Computer Science

Villanova University **August 2014 - May 2018**
B.S. in Computer Science
Minors: Cognitive Science and Classical Studies
GPA: 3.77

Research and Work Experience

Los Alamos National Laboratory **May 2018 - Present**
Student Research Scientist
Applying the sparse-coding model from the prior summer to language. Interested in exploiting top-down feedback to influence sentence-level representations.

Villanova University **August 2017 - May 2018**
Student Researcher
Independently worked on several projects over the school year, including an extension of our work from the summer.

Los Alamos National Laboratory **June 2017 - August 2017**
Student Research Scientist
Developed a neurologically plausible sparse deep generative autoencoder with Dr. Edward Kim and Dr. Garrett Kenyon.

Villanova University **September 2016 - June 2017**
Student Researcher
Research in computer vision with Dr. Edward Kim.

TS Partners Inc. **June 2013 - June 2017**
Junior Java Developer
Ported hundreds of thousands of lines of code from a Delphi System to a web based Java application, and helped maintain this system as it was deployed.

Teaching Experience

Villanova University **August 2017 - December 2017**
Teaching Assistant for Platform-Based Computing
Helped students review course material and complete programming assignments, evaluated and graded student work, and taught a class session.

Publications

[1] Edward Kim, Darryl Hannan, and Garrett Kenyon. Deep Sparse Coding for Invariant Multimodal Halle Berry Neurons. *CVPR*, 2018.

Posters

Emojis and Weather
CCSCNE 2018

Learning the McGurk Effect from Raw Input
Villanova CS Senior Poster Session

Hierarchical Sparse Coding for Multimodal Deep Learning
IEEE Rebooting Computing 2017 and Villanova Undergraduate Poster Session

Honors and Awards

Applied Machine Learning Summer Research Fellowship
10-week summer program at Los Alamos National Laboratory. (10% acceptance rate)

Villanova Research and Travel Grant
Funding supported the work at Los Alamos during the summer of 2017

Professional Organizations

IEEE
ACM