

Darryl Hannan

651 School Line Drive, King of Prussia, PA
dhannan@cs.unc.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

June 2017 - Present

Student Research Scientist

Developed a neurologically plausible sparse deep generative autoencoder with Dr. Edward Kim and Dr. Garrett Kenyon. Applying the sparse-coding model from the prior summer to language. Interested in exploiting top-down feedback to influence sentence-level representations.

Villanova University

September 2016 - May 2018

Undergraduate Researcher

Research in computer vision with Dr. Edward Kim. Worked on a variety of independent projects, including a continuation of work done at Los Alamos.

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

Helped students review course material and complete programming assignments, evaluated and graded student work, and taught a class session. Course was platform-based computing; included advanced Java programming and web-development using Node.JS and Raspberry Pis.

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 - Class of 2018

Hierarchical Sparse Coding for Multimodal Deep Learning

IEEE Rebooting Computing 2017 and Villanova Undergraduate Poster Session 2017

Fellowships and Grants

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 work at Los Alamos during the summer of 2017.

Professional Organizations

IEEE

Student Member

2017 - Present

ACM

Student Member

2017 - Present