

EDUCATION**Stanford University**, Stanford, CA Sept 2015 – June 2017

- M.S. in Computer Science, Artificial Intelligence, Human-Computer Interaction
- *Relevant Coursework*: Artificial Intelligence, Social Network Analysis, Web Applications, Neural Networks for Visual Recognition, Natural Language Understanding, Deep Learning for Natural Language Processing

Johns Hopkins University, Baltimore, MD Aug 2011 – May 2015

- B.S. in Computer Science – GPA: 3.82/4.0; *Deans List*, 2011-2014; *CS + X Award*
- B.M. in Piano Performance – GPA: 3.82/4.0; *Pauline Favin Memorial Award*, *Azalia H. Thomas Prize*
- *Relevant Coursework*: Natural Language Processing, Machine Learning, Machine Translation, Information Retrieval and Web Agents

SKILLS

- *Computer languages*: Python, Java, JavaScript, TypeScript, C, Perl, C++

WORK EXPERIENCE

Microsoft, Redmond, WA Summer 2016

Software Engineer Intern, SharePoint Authentication Team

- Using TypeScript, constructed the backend logic using TypeScript for a recent activity log page in One Drive for Business to assist a user in tracking modifications done by all users on documents he or she has used recently utilizing the Microsoft Graph API and SharePoint REST API

Stanford University, Stanford, CA Fall 2015 - Present

Course Assistant, Natural Language Processing, From Language to Information, Information Retrieval, Mathematical Foundations of Computing

- Assisted class of 200-400 students by debugging code and theoretical questions during office hours and worked with team of 6-14 course assistants (CAs) on improving programming assignments and quizzes under Professor Chris Manning and Professor Keith Schwarz
- Managed team of 8 CAs and class of 200 students as head CA under Professor Dan Jurafsky

Intel Corporation, Folsom, CA Summers 2015, 2014, 2013

System Debug Intern, Windows Tablet Debug Group

- Executed suite of 33 tests evaluating Miracast screen sharing performance on six Skylake customer platforms to support Microsoft and evaluate Intel Wireless Display health leading to conglomeration of common issues and known issues
- Working closely with the SoC team and debug engineers, ran over 35 experiments and collected debug information to validate workarounds and to isolate a high priority bug occurring in 2% of Bay Trail customer systems and gating mass production
- Implemented a Windows gadget tool using Javascript and HTML/CSS to expedite bug tracking for Intel Tablet debug engineers, providing live updates and concise information conveniently from the desktop

Johns Hopkins University, Baltimore, MD Spring 2015, Fall 2013

Course Assistant, Intro to Programming in Java, Intermediate Programming

- Aided class of 150 students 1:1 on Java, C, and C++ programming coursework during bi-weekly office hours providing 1:1 guidance on coding conventions, code quality, and algorithms

PROJECTS**Attend and Hop** Spring 2016

- Using Python and Tensorflow, implemented a bidirectional recurrent neural network with attention, residual connections, and rich word embeddings in order to determine three-way classification of entailment using the Stanford Natural Language Inference corpus, resulting in 76.6% accuracy, a 10% increase from a feature-based linear classifier baseline

Multiple Instance Multi-Label Learning for Yelp Restaurant Photo Classification Winter 2015

- Using Python and Lasagne, utilized transfer learning via a pre-trained convolutional neural network on ImageNet followed by a linear classifier to predict binary labels on businesses based on user-uploaded photos, resulting in a 0.79 F1 score, a 58% increase from a random guesser baseline

A Network-Assisted Approach to Predicting Passing Distributions Fall 2015

- Using Python and Perl, implemented linear regression classifier predicting number of passes between soccer players based on player/team statistics and passes from UEFA Champions League data, resulting in 25% improvement in average loss from a baseline average model