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EDUCATION

Tsinghua University: *MS Advanced Computing* *Fall 2018 - Spring 2020*

- Interested in Artificial Intelligence, Deep Learning, and their medical applications
- Advised by Professor Jun Zhu in the Tsinghua Statistical Artificial Intelligence and Learning Group
- Awarded Chinese Government Scholarship for "outstanding international students for graduate studies in China"

Swarthmore College: *BA Computer Science with a minor in Mathematics* *Fall 2011 - Spring 2015*

- GPA: 3.92/4.00 in major, 3.73/4.00 overall
- Member of Sigma Xi (The Scientific Research Society) and the Swarthmore College Computer Society

EXPERIENCE

Salesforce: *Senior Software Engineer* *July 2015 - June 2018*

- Received the 2018 "President's Award", the most prestigious engineering award at the company, from Salesforce's President of Technology for impact and leadership (top <1%)
- 2018 and 2016 Technology and Product All Star Nominee
- Developed new features and re-architected existing functionality for the #1 (Search) and #13 (Lookups) most-used components on the Salesforce platform
- Led performance analysis and implementation efforts that reduced client-side search component render time by 24-54% and backend search API calls by 30%
- 2018 Technology and Product Spring Hackathon Winner for solo project; led to multiple patent applications and the creation of a dedicated Search Assistant team
- Scrum Master for a team of 7 hybrid software engineers; implemented processes that reduced the number of open, high priority bugs by over 50% while maintaining high feature velocity

Salesforce: *Software Engineering Intern* *Summer 2014*

- Shipped production-ready web components for the upcoming Salesforce1 Platform release

National Institute of Standards and Technology (NIST): *Research Fellow* *Summer 2013*

- Researched and presented a novel, closed-form solution for extrinsic lidar calibration for use with mobile robotics
- Developed ROS packages running dead reckoning and simultaneous localization and mapping algorithms

Swarthmore College: *Computer Science Teacher's Assistant and Grader* *Fall 2012 - Spring 2015*

- Mentored up to 35 students each semester by aiding professors during class and hosting instructional sessions
- Teacher's Assistant Courses: Introduction to Computer Science, Computer Systems
- Graded Courses: Artificial Intelligence, Linear Algebra, Computer Systems

SELECTED PROJECTS

- Researched and built a novel Markov chain Monte Carlo model for predicting the outcome of lacrosse matches
- Developed a cross-platform application leveraging clustering algorithms to visualize campus population density
- Architected generation, packaging, and build systems for cross-platform mobile health applications

TECHNICAL SKILLS

- Computer Languages (Most Proficient): Java, JavaScript, Python, HTML, CSS
- Machine Learning: TensorFlow, ZhuSuan, PyTorch
- Web Development: Lightning Web Framework, Node.js, Express.js, Webpack, Sass, AngularJS, Flask, Cordova
- Version Control: Git, Perforce, SVN