

EDUCATION

Tsinghua University: *MS Computer Science*

Sep 2018 - Jul 2020 (Expected)

- GPA: 3.90/4.00
- Advised by Professor Jun Zhu in the Tsinghua Statistical Artificial Intelligence and Learning Lab

Swarthmore College: *BA Computer Science with a minor in Mathematics*

Sep 2011 - Jun 2015

- GPA: 3.89/4.00 in major, 3.72/4.00 overall
- Member of Sigma Xi (The Scientific Research Society) and the Swarthmore College Computer Society
- Teacher's Assistant for Introduction to Computer Science and Computer Systems
- Grader for Artificial Intelligence, Linear Algebra, and Computer Systems

EXPERIENCE

Uber Advanced Technologies Group: *Research Intern*

Jan 2020 - Present

- Fundamental machine learning and AI research under the supervision of Professor Raquel Urtasun

Google AI: *Software Engineering Intern*

Jul 2019 - Oct, 2019

- Google Brain Genomics; applying machine learning to genomics
- Developed novel ML techniques for genomic discovery (GWAS); patent application and publication in progress
- Built end-to-end GWAS pipeline and refactored experimental configuration system to reduce technical debt

Tsinghua Statistical Artificial Intelligence and Learning Lab (TSAIL): *Graduate Researcher*

Sep 2018 - Present

- Exploring uncertainty in deep learning under the supervision of Professor Jun Zhu; see Publications section below

Salesforce: *Senior Software Engineer*

Jul 2015 - Jun 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 Technology and Product Spring Hackathon Winner for solo project; led to multiple patent applications
- 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 platforms
- Led performance analysis and implementation efforts that reduced client-side search component render time by 24-54% and backend search API calls by 30%
- 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*

May 2014 - Aug 2014

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

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

May 2013 - Aug 2013

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

PUBLICATIONS // [Google Scholar](#)

- Generative Well-intentioned Networks; Justin Cosentino and Jun Zhu; NeurIPS 2019
- The Search for Sparse, Robust Networks; Justin Cosentino*, Federico Zaiter*, Dan Pei**, and Jun Zhu**; The Safety and Robustness in Decision Making Workshop @ NeurIPS 2019

TECHNICAL SKILLS // github.com/justincosentino

- Languages: Python, JavaScript, Java, HTML, CSS, Bash
- Machine Learning: TensorFlow 2, PyTorch, scikit-learn, NumPy
- Web: Lightning Web Framework, Node.js, Express.js, Webpack, Sass, Jest, AngularJS, Flask, Cordova