





James Gan

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Education

Georgia Institute of Technology | Master of Science | GPA: 4.00

January 2019-Current

- *Major:* Computer Science. *Specialization:* Machine Learning.

University of Washington | Took Coursework Towards M.S. | GPA: 3.95

August 2018-March 2019

- Project based program focused on design thinking, technology development, fabrication and entrepreneurship

Cornell University | Bachelor of Arts | GPA: 3.46

May 2018

- *Major:* Economics. *Minors:* Computer Science, Information Science, Asian American Studies

Experience

PayPal | Software Engineering Intern

May 2019-August 2019

- Wrote best practices code and documentation to support rollout of Reactive Programming to 7000+ Java developers
- Worked with Java, Spring, Spring Reactor, Reactive Systems, Maven, and Kafka on the JVM Frameworks team to support development of the foundation platform for ~1000 applications that service 40 billion requests a day
- Organized a Blockchain reading group, gave talks on technical subjects in Blockchain to the CTO and Innovation Lab

srnd.org | Management Consultant

January 2015-July 2019

- Led \$100K+ Microsoft Philanthropies' TEALS contract to establish a nationwide computer science education initiative
- Coordinated CodeDay in Florida, grew it tenfold in half a year with a resulting Net Promoter Score of 95
- Recruited and managed 500+ professional volunteers nationwide to support programs and lead technical workshops
- Designed and taught workshops in Python, Blockchain, Product Management, Game Development, and Big Data

University of Washington, Paul Allen School of CS | Research Assistant

August 2018-May 2019

- Expanded a software extension's API for CAD of advanced tactile maps for the visually impaired
- Automated conversion of OpenStreetMap data into SVGs and 3D geospatial models using Fusion 360 Python API

Practice Makes Perfect | Software Developer Intern | Cornell Entrepreneurship Program

Summer 2017

- Created web scraping and automation software in Python, BS4, and Selenium to identify clients for consulting services
- Pitched to C-Suite; facilitated product launch including end-user documentation, unit testing, and employee training

Projects

SXSW Hackathon Prize | AI Travel Recommendation Mobile App | Python, Flask, REST API

Spring 2019

- Developed a REST API backend to handle gathering and processing artificial intelligence results to power an iOS app

Google Cloud Platform Hackathon Prize | Visual Storytelling App | d3.js, Javascript

Fall 2018

- Programmed a data visualization of the Homeless population in Seattle, including an interactive storyline
- Led project goals and priorities, architected visualizations, and taught team members d3.js and data visualization

Bancor Research Paper | R, Solidity, Blockchain

Spring 2018

- Conducted research on the 5th most funded Blockchain company of 2017, an automated cryptocurrency exchange
- Confirmed the existence of price inaccuracies from distributed lag, missing terms of price volatility and price shocks
- Correctly predicted a vulnerability that resulted in \$25m USD being hacked from the exchange two months later

BlackRock Hackathon Prize | RoboAdvisor | Python, Node.JS, Aladdin REST API

Fall 2017

- Designed and developed a Microsoft Bot Framework RoboAdvisor to analyze real time risk data of investor portfolios

Bloomberg Hackathon Prize | Travel Web App | Python, Django, Bloomberg

Fall 2014

- Drove product strategy and quality assurance for a travel site using real time financial data to calculate adjusted costs