




James Gan

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Education

Georgia Institute of Technology | Master of Science in Computer Science

May 2021

- *Specialization:* Machine Learning

University of Washington | Took Coursework Towards M.S. | GPA: 3.96

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

Technical Experience

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

- Created 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
- Two months after writing the paper, one vulnerability outlined resulted in \$25m USD being hacked from the exchange

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

Experience

Software Engineering Intern | PayPal

May 2019-August 2019

- Will be working with Java and the Spring framework on the JVM Frameworks team to support development of the foundation platform for ~900 applications that service 30 billion requests a day.

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

Fall 2018-Present

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

Management Consultant | srnd.org

Fall 2017-Present

- Lead \$100K+ Microsoft Philanthropies' TEALS contract to establish a nationwide computer science education initiative
- Reduced program costs by establishing venue partnerships with universities and sponsors, saving \$150K+ annually

Program Manager | srnd.org

Spring 2015-Fall 2017

- Coordinated CodeDay in Florida, and grew it tenfold in half a year with a resulting Net Promoter Score of 95
- Recruited and managed a team of 15 volunteers, led technical workshops in Python, game development, and Splunk

Software Developer Intern | Practice Makes Perfect, Cornell Entrepreneurship Program

Summer 2017

- Defined and coded budget scraping web automation software in Python, BS4, and Selenium to grow consulting
- Pitched to C-Suite; facilitated product launch including end-user documentation, unit testing, and employee training