





# James Gan

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## Education

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

**January 2019-May 2021**

- *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**

- 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.

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

**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

**srnd.org | Management Consultant**

**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

**srnd.org | Program Manager**

**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

**Practice Makes Perfect | Software Developer Intern | 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

## 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**

- 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