




# James Gan

 Bellevue, WA  
 [jamesylgan](#)

 (617) 510-7626  
 [in jamesylgan](#)

 [jamesgan@live.com](mailto:jamesgan@live.com)  
 <http://bellevue.tech>

## Education

**Georgia Institute of Technology | Master of Science (Online) | 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**

- Working with Java, Spring, 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.

**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