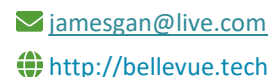


# James Gan



## Education

**Georgia Institute of Technology** | M.S. Computer Science | GPA: 4.00 January 2019-December 2020

- *Specialization:* Machine Learning

**University of Washington** | Coursework Towards M.S. | GPA: 3.95 August 2018-March 2019

- Project-focused Technology Innovation program for design thinking, technology development, and entrepreneurship

**Cornell University** | B.A. Economics, Computer Science Minor | GPA: 3.46 May 2018

- *Major:* Economics. *Minors:* Computer Science (9 courses), Information Science (7 courses), Asian American Studies

## Experience

**PayPal** | Software Engineer 2 January 2020-Current

- Working on the Java Frameworks team using Spring, Spring Reactor, Reactive Systems, Maven, and Kafka to create highly scalable infrastructure for the majority of PayPal's microservices, messaging, and batch applications
- Support development of the frameworks and libraries for ~1000 applications that service 40 billion requests a day

**Georgia Institute of Technology** | Graduate Teaching Assistant August 2019-December 2019

- Facilitated teaching the graduate CS course, Knowledge Based Artificial Intelligence, helped automate grading process
- Advised and graded 50 students, and contributed 20% of Instructor Responses on Piazza for the 600 student course

**PayPal** | Software Engineering Intern May 2019-August 2019

- Wrote best practices code and documentation to support rollout of Reactive Programming to 7000+ Java developers
- Organized a Blockchain reading group, gave talks on technical subjects in Blockchain to the CTO and Innovation Lab
- Awarded a PayPal top 100 Global Innovators award for a company-wide innovation tournament

**University of Washington** | Graduate Research Assistant August 2018-May 2019

- Expanded a software extension's API for Computer Aided Design of advanced tactile maps for the visually impaired
- Used Python to automate conversion of OpenStreetMap data into SVGs and 3D geospatial models using Fusion 360

**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** | Data Visualization App | d3.js, Javascript Fall 2018

- Led project goals and priorities, architected visualizations, and taught team members d3.js and data visualization

**Bancor Research Paper** | R, Solidity, Blockchain Spring 2018

- Correctly predicted a vulnerability that resulted in \$25m USD hacked from an automated cryptocurrency exchange
- Confirmed the existence of price inaccuracies from distributed lag, missing terms of price volatility and price shocks

**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