James Gan

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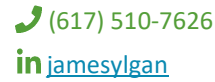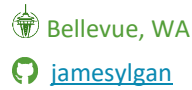
jamesylgan jamesylgan http://bellevue.tech

Education

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

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