James Gan

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Education

University of Washington | Master of Science in Technology Innovation | GPA: 3.97   **December 2019**
- Project based program focused on design thinking, technology development, fabrication and entrepreneurship

Georgia Institute of Technology | Master of Science in Computer Science   **May 2021**
- *Specialization*: Interactive Intelligence

Cornell University | Bachelor of Arts | GPA: 3.46   **May 2018**
- *Major*: Economics. *Minors*: Computer Science, Information Science, Asian American Studies

Technical Experience

Homeless in Seattle | Google Cloud Platform Hackathon Prize | d3.js, Javascript   **Fall 2018**
- Created a data visualization of the Homeless in Seattle, including an interactive storyline
- Led project goals and priorities, architected visualizations, and taught team members d3.js and data visualization

Better Opportunities | Bancor Research Paper | R, Solidity, Blockchain   **Spring 2018**
- 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

RoboAdvisor | BlackRock Hackathon Prize | 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

Wakawhitti | Bloomberg Hackathon Prize | 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

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

Research Assistant | University of Washington, Paul Allen School of CS & Engineering   **Fall 2017-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

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   **Summer 2017**
- Awarded grants from the Cornell Entrepreneurship Program and the Cornell Breitenbach Innovation Fund
- 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

Product Marketing Intern | Winigent Consulting   **Summer 2015**
- Created promotional materials of digital transformation case studies to assist in B2B sales development
- Built and implemented portfolio product marketing strategy using competitive analysis, data analytics, and SEO