James Gan

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Education

University of Washington | Master of Science in Technology Innovation   December 2019
- Project-based program focused on design thinking, technology development, and entrepreneurship.
- **Research:** Developed Autodesk Fusion 360 Extensions in Python, Department of Computer Science & Engineering
- *Related coursework*: Design Thinking Studio, Fabrication & Physical Prototyping, Essentials of 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 4 team members d3.js and data visualization

Better Opportunities | Bancor Resarch 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

NYC Department Of Education | School Budget Scraper | Python, BS4, Selenium   Summer 2017
- Created data mining and querying infrastructure for extracting information from various web sources
- Programmed interface for financial analysis and market research automation resulting in digestible data reports

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

Program Manager | srnd.org, 501(c)3 nonprofit   Spring 2015-Present
- Lead consultant for $30,000 Microsoft Philanthropies' TEALS contract to organize technology events nationwide
- 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
- Founded an internship program that grew the nonprofit's network with government agencies and representatives

Software Developer Intern | Practice Makes Perfect, B-Corp Startup   Summer 2017
- Awarded grants from the Cornell Entrepreneurship Program and the Cornell Breitenbach Innovation Fund
- Defined and coded budget scraping software in Python, BS4, and Selenium to grow consulting revenue
- Pitched to C-Suite; facilitated product launch including end-user documentation, unit testing, and employee training

Product Marketing Intern | Winigent, Consulting Company   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