Jannie Li

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Education

Cornell University | *Expected May 2021*
B.S. Information Science, Minor in Computer Science
GPA: 3.6

Relevant Coursework: OOP and Data Structures, Data Science, Text Mining, Functional Programming, Machine Learning (current), Systems Programming (current), Algorithms (current)

Experience

Microsoft | *Software Engineer Intern, Microsoft Threat Intel, May 2020 - August 2020*

- Created a Jupyter notebook to detect and visualize malicious behaviors in Base64-encoded Linux commands
- Built Azure Linux VM test environment imitating adversarial behavior
- Blog post based on this work received widespread attention (200+ likes on Twitter)
- Co-led intern groups of 25 through an early-in-career curriculum to build community during the remote internship

Microsoft | *Explorer (SWE+PM) Intern, Microsoft Threat Intel, May 2019 - August 2019*

- Wrote and published Windows reference entries to the MITRE ATT&CK Framework, an online reference manual for categorizing security attacks and methods
- Designed and presented a streamlined threat analyst workflow and tooling
- An application based on this work is now used by all threat analysts in Microsoft Threat Intelligence Center (MSTIC)

Combplex, Ithaca, NY | *Full-Stack Web Developer and Designer, Feb 2018 - Jan 2020*

- Designed and built interactive map and data analysis interface on bee colony health using Mapbox, Leaflet.js, D3.js, and GeoJSON
- Designed and built visualizations for various data streams from IoT devices in bee hives

Con Edison, New York, NY | *Mobile Development Intern, Jun 2018 - Aug 2018*

- Designed low and high-fidelity mockups using Sketch and Adobe Photoshop for an app that enables construction workers to provide daily and project-based updates
- Built UI and designed database architecture for the app using JavaScript and SQL

Research & Teaching

Guimbretiere Lab | *Independent Study, Jan 2020- present*

- Adapted novel remote debugging hardware for fully remote and asynchronous use by students in a rapid prototyping class
- Designing and building novel assistive writing technology for undergraduate thesis

Cornell Engineering | *Teaching Assistant, Aug 2018- present*

- Taught discussion sections, held office hours, and graded assignments for Intro to Web Development, Intermediate Web Development, Cultural Analytics, and Text Mining for History and Literature
- Content taught: HTML, CSS, JavaScript, basic design; Python for text analysis

Extra-curriculars

Impact Labs | *Fellow, Jan 2019- present*
IBM Call for Code | *Hackathon 1st Place, Jan 2020- present*
Cornell Autonomous Underwater Vehicle | *Web Team Member, Nov 2018- Mar 2019*

Language & Tools

Languages: Python, Java, JavaScript, HTML, CSS, SQL, PHP, OCaml
Design: Sketch, Figma, Adobe Photoshop
Hardware: Arduino, CAD, Fusion360