

Wilson Wu

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EDUCATION

John Jay College of Criminal Justice, *City University of New York*

BS, Computer Science and Information Security

Dec 2023

New York, NY

Baruch College, *City University of New York*

BA, Biological Sciences

Jun 2019

New York, NY

WORK EXPERIENCE

Evergreen Investments

Jan 2023 – May 2023

Web Developer Intern

Duluth, GA

- Crafted dynamic website components ensuring cross-browser compatibility and responsiveness.
- Enhanced data acquisition processes using Python in a four-person team, cutting processing time by 30%.
- Directed SEO initiatives and web accessibility standards, creating strategic guides and standardizing implementation across departments, significantly boosting web traffic.
- Enhanced website performance through effective caching strategies and swiftly resolved technical issues, ensuring optimal functionality and user experience.

RELEVANT PROJECTS

Chromescope ([Chromescope.net](https://chromescope.net))

Node.js, Express, Axios, Docker, React, Tailwind

- Risk assessment service that powers analysts' decisions on browser extension policies and incidence response.
- Features a user-accessible React frontend and RESTful API backend for SIEM integration that returns JSON data that evaluates manifest data, javascript vulnerabilities, and risk-averse code and provides meaningful insights on chrome API usage and data handling patterns.

Digital Hub ([Link](#))

Node.js, Express, Cypress, Jest, Supertest, MongoDB, Mongoose

- Express backend application that handles database actions with automated backend testing with Supertest, frontend E2E-testing, and unit testing using Cypress and Jest.
- Features include redux state, token authentication, error processing middleware, and client-side routing.

Cryptanalysis Decrypter ([Link](#))

Python, C++

- Implemented scripts and tools like AES-CTR decryption using bitset manipulation given the same key streams, Vigenère Cipher with automated key length detection, and other block mode ciphers.

Analysis and Transformation ([Link](#))

Perl

- Developed scripts for parsing data, modifying and sorting datasets, and running data analysis.

SKILLS

- **Technical Skills:** Python, C++, Perl, JavaScript (ES6) / Node.js, React, Redux, Tailwind, Express, Cypress, Jest, Supertest, MongoDB, Postman, WordPress, RStudio, Docker
- **IT Skills:** Linux Kali, Snort, DOD STIG, Wireshark, IDS (Snort), Volatility 3, Metasploit, Access Controls
- **Other:** Agile, Microsoft Office and Excel, Zoom, Slack