Wilson Wu

Junior Full Stack Developer and Information Technology Associate

wilsonwu97@outlook.com // 917-435-6888 // https://github.com/eotssa

RELEVANT EXPERIENCE

Web Developer Intern @ Evergreen Investments
Feb 2023 – Jun 2023 // Duluth, GA

– Developed and shipped highly interactive custom web features, enhancing user engagement by 23% using A/B testing.
– Streamlined company workflow by interfacing backend systems, enhancing API connectivity, CRM integration, and efficient management of customer and listing data.
– Collaborated with a small team to automate data acquisition processes and controls using Python.
– Created dynamic website components, landing pages, and tiered pricing models while ensuring cross-browser compatibility and responsiveness.

Data Scientist Intern @ Two Bridges
May 2017 – Aug 2017 // NY, NY

– Worked in a small team that compiled and analyzed collected data, producing reports that informed organizational decision-making for Mount Sinai.

RELEVANT PROJECTS

Chrome Extension Analyzer Web Application
Node.js, Express, Axios, Docker (Fly), Multer, ADM-Zip, RetireJS, React
– Engineered a web application to automate security risk analysis of Chrome extensions with a unique risk assessment algorithm that evaluates metadata, content security policy, JS library vulnerabilities, extension permissions based on Google's whitepaper, and Chrome API usage.
– Currently in collaboration with a West Point cybersecurity analyst, configuring API services to automate and embed response data within their cybersecurity analysis workflow.

Full-Stack Note and Blog Application
Backend: Express.js, Express-Async-Errors, MongoDB,, JWT, bcrypt, Jest, Supertest
– Built on Express.js and integrated with Mongoose, it does CRUD operations on blog and user data, user authentication, and employs custom middleware for request and error processing.
Frontend: React, Redux Toolkit, React Router, Cypress, React Testing Library, Chakra UI
– Dynamic user interface, redux state management, client-side routing, and automated E2E testing via Cypress.

Cryptanalysis of Cipher Implementations
Python, C++
– Developed automated cryptographic solvers that crack AES-CTR ciphers for same key encryptions and other various ciphers (Vigenère, affine, Caesar).

EDUCATION

John Jay College
2022 – Dec 2023 // NY, NY

BS in Computer Science and Information Security, GPA: 3.9

Baruch College
2015 – 2019 // NY, NY

BA in Biological Sciences, GPA: 3.7

PROGRAMMING SKILLS

Programming Languages
Python, C++, JavaScript (ES6), HTML, CSS, Perl, R, Meta Language (ML)

Libraries & Frameworks
React, Redux Toolkit, Node.js, Express, Chakra, React Query, Mongoose, lodash,

Tools & Platforms
Bash, Git, Github, WordPress, MongoDB, Fly.io

Testing Frameworks
Cypress, Jest, supertest

IT SKILLS

Tools & Platforms
Linux Kali, Volatility3, Snort (IDS), Metasploit, Wireshark, DoD STIG Tools, Azure Identity Services (IAM), Splunk, Docker

Security Practices
Access Controls, Data Encryption, Data Protection, Cyber Programs, Insider Threat Programs, IT Risk Management, Risk Assessment

AWARDS

Baruch Research and Creative Inquiry Expo 2019 // **1st Place in Natural Sciences** (Eyedropper Design)