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Education

University of California San Diego 2023

- Cognitive Neuroscience / Computer Science
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Work

Sansay

Fullstack Developer

- Created and worked on full stack enterprise applications to analyze call fraud, verify SIP JWT certificates, and serve GUI control sites.

Center for International Cyber Intelligence

Cyber Intelligence Analyst

- Performed open source intelligence on complex targets using off the shelf recon tools.

Trilogy Education

Cybersecurity T.A.

- Served as a TA for individuals in industries looking to transition into a cyber security role. Responsibilities included teaching and describing networking, unix like systems, basic programming, and common attack vectors.

Code Ninjas

Coding Instructor

- Taught youth students to code in javascript and basic computer interaction.

Bugcrowd

Independent Pentester

- Performed Penetration tests on multiple websites focusing on targeting API's for Indirect Object Reference vulnerabilities.

Languages and Skills

- C: K&R, ANSI
- Javascript: Nodejs, Reactjs, Angular, Typescript, Express
- HTML
- CSS
- Java: Spring Boot
- SQL: MariaDB
- Linux: Debian
- Pentesting: Nmap, Burp Suite, Wireshark, Postman

Projects

- Contributed to docs and internals of open source projects like Rsync and Tensorflow
- Created a full stack enterprise application and api to parse call metadata using a custom C implementation and a ML decision Forests to analyze and determine fraud patterns of millions of calls performantly.
- Created an SPA in react to parse and validate JWT's for SIP calls.
- Created a tool to intercept a YouTube url to identify the source and download a copy of the video without using YouTube's official API.