Vincent Sgherzi

https://vincents.dev
sgherzivincent@gmail.com
626 - 510 - 0252

EDUCATION

University of California San Diego 2023
Major: Cognitive Neuroscience
Minor: Computer Science

WORK

Sansay - software engineer   January 2022 - Current

- Constructed a high performance and scalable nodeJS backend to unpack and interpret 200 million SIP records per single http request request.
- Constructed and deployed a custom neural network and decision tree machine learning models in tensor flow to interpret fraudulent call patterns into a high availability python server.
- Developed a full stack app in nodeJS, React, and Rust to breakdown and validate calls.

Center for International Cyber Intelligence - cyber intelligence analyst   January 2021 - May 2021

- Generated reports on targets of interest using common open source intelligence tools and techniques.

Trilogy Education - cybersecurity T.A.   January 2020 - May 2021

- Assisted in content development for lecture slides regarding cybersecurity basics.
- Graded assignments for exercises related to networking, unix like systems, basic programming, and common attack vectors.

Code Ninjas - coding instructor   August 2019 - January 2020

- Taught youth classes on developing basic coding practices in javascript exercises.

Bugcrowd - pentester   January 2018 - January 2020

- Performed penetration tests on multiple website focusing on API security.

OPEN SOURCE

- Added linker path information for m series apple silicon to the Rsync utility.
- Submitted code patches to remedy a pathing error for a library import in Tensorflow's JAX.
- Developed a full stack tool to identify a YouTube video's dynamically generated source video URL without using Youtube's official API.
- Developed a scraping tool in Rust to create my own personal pseudo search engine.

SKILLS

Web:	HTML, CSS, Javascript, React, Web Components
Backend:	Rust, NodeJS, C, Python, SQL
Frameworks:	Axum, Tokio, ExpressJS, FastAPI, Tensorflow
Architecture:	REST, Microservices, JSON
Paradigms:	Async/Await, Multithreaded, Functional Programming, OOP
Tooling:	Docker, Git, Burpsuite, Wireshark, Nmap