

Vincent Sgherzi

<https://vincents.dev>
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WORK

- Sansay** - software engineer January 2022 - Current
- I am the the lead engineer of the Fraud team who solely created a product to detect, alert, and halt call fraud in real time across multiple sources. This involved a performance sensitive full-stack application meant to be resilient and modular.
 - I am the lead engineer of the Sansay Identity Header Tool. This tool broke down call certification details and possible failure points in a user friendly way.
 - I am a member of the RSM team that worked on a product to monitor call traffic in real time.
 - I am the lead engineer of the Sensor project. This project used machine learning in an attempt to uncover call fraud from call detail records.
 - I am a member of the team that maintains DPDK
 - I became the lead advocate for the introduction of Rust into performance sensitive areas of our stack.
- Center for International Cyber Intelligence** - cyber intelligence analyst January 2021 - May 2021
- I produced reports on targets of interest using common open source intelligence tools and techniques.
- Trilogy Education** - cybersecurity T.A. January 2020 - May 2021
- I assisted in content development for lecture slides regarding cybersecurity basics.
 - I graded and helped with in class and homework assignments for exercises related to networking, unix like systems, basic programming, and common attack vectors.
- Code Ninjas** - coding instructor August 2019 - January 2020
- I Taught youth classes on developing basic coding practices in javascript exercises.
- Bugcrowd** - pentester January 2018 - January 2020
- I performed penetration tests of multiple websites with a focus on API authentication security.
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OPEN SOURCE - <https://github.com/vaguely-tagged>

Rsync - I added information on how to link compiled binaries for M series macs

Ladybird - I fixed part of the XML sterilizer logic when the DOM is lacking a system ID.

BLOG - <https://vincents.dev/blog/>

Personal - Developed a tool to identify a YouTube video's dynamically generated source video URL without using Youtube's official API

EDUCATION - **University of California San Diego 2023**

Major: Cognitive Neuroscience

Minor: Computer Science

SKILLS

Languages - Rust, NodeJS, C, HTML, CSS, SQL

Paradigms - Async/Await, Multithreaded, Functional Programming, Rest servers, Microservices, Json servers

Frameworks - ReactJS, NextJS, AngularJS

Libraries - Axum, Tokio, ExpressJS

Tools - Docker, Git, Burpsuite, Wireshark, Nmap, Flamegraphs, DTrace, MariaDB, Clickhouse DB, DPDK