



sinaga.greg@gmail.com
gregory-sinaga @ LinkedIn
Astrotemporal @ GitHub

Education

B.S. Computer Science & Engineering
B.S. Mathematics

University of California, Irvine
Expected June 2023 // GPA: 3.88

Proficient

- Python
- Golang
- OpenAPI
- Linux
- Jupyter

Intermediate

- C/C++
- Lua
- Databases
- Javascript
- MATLAB

Skills

Experience

CrowdStrike

June 2022 - Present

Cloud Test Engineer Intern - ITSecOps

Irvine, CA

Revamped SDET candidate testing process for increased accessibility, efficacy, and security

- » Transitioned previous Python testing application run via Shell script on single AWS VM and ElasticSearch instance to Golang microservice with multi-tenancy
- » Wrote documentation under OpenAPI specification
- » Utilized Grafana and Splunk to add endpoint monitoring

U.S. Department of Energy: CyManII

September 2021 - Present

Undergraduate Researcher

Irvine, CA

Developed software engineering productivity tooling in order to facilitate rapid development for CyManII researchers and collaborators

- » Created reference implementation of a 12-factor golang micro-service
- » Implemented reusable project templates via Python Cookiecutter
- » Developed OpenAPI 3 API handling sensor data
- » Linted, tested, packaged, and deployed to Azure Kubernetes cluster via Gitlab CI/CD

University of California, Irvine

March 2022 - June 2022

Learning Assistant

Irvine, CA

Aided professor and TAs in guiding 240+ students for Discrete Mathematics for CS (ICS 6D) course during group discussion lecture

- » Provided one-on-one help during office hours
- » Captioned supplementary videos
- » Took final exam draft, providing feedback

Awards

Dean's Honor List	2019 - Present
ProperData Best Presentation	June 2022
Rose Hills Foundation Scholarship	2020 - 2022
Hack UCI 2021 Shop Small	January 2021

Interests

Cybersecurity
Machine Learning
Quantum Computing
Semiconductors