

Aucoeur Ngo



▪ aucoeur.dev ▪ aucoeurngo@gmail.com ▪ 626.498.5783 ▪ Los Angeles, CA ▪
▪ linkedin.com/in/aucoeurngo ▪ github.com/aucoeur ▪ aucoeurngo.medium.com ▪

EDUCATION

Bachelor of Science in Applied Computer Science

graduating August 2021

Dominican University of California, Make School

San Francisco, CA

TECHNICAL PROJECTS

WeVote // <https://wevote.us>

- Collaborated with industry developers and student team on WeVote, an open-source project dedicated to increasing voter participation and turnout (40k+ users)
- Contributed to WeVoteServer, WeVote's Django backend ([PR #1648](#))
- Wrote Python unit tests for retrieving JSON data from the postgresSQL database via API endpoint

pdlauncher // <https://www.npmjs.com/package/pdlauncher>

- Published NPM utility to launch peardeck session in-browser via CLI (500+ downloads)

rpdrAPI // <https://aucoeur.dev/rpdrAPI>

- Authenticated RESTful API for creating, retrieving and modifying RuPaul's Drag Race trivia implemented with Node.js, Express, & MongoDB

3Dprinting Visual Displays // <https://www.thingiverse.com/thing:2512390>

- Designed, printed & shared Open Source CAD models as a visual learning aid for newcomers to 3D printing, used in school & universities, internationally (190k+ views, 42k+ downloads)

WORK EXPERIENCE

Labs Intern, CyberSecurity Tools

June 2021 - August 2021

CodeDay

Remote, US

- Create tools for penetration tests, run security assessments, deploy phishing campaigns
- Mentored by Nicholas Tong, Sr. CyberSecurity Engineer at AMSYS, on a team of 3

Curriculum Assistant

Sept 2020 - July 2021

Make School

San Francisco, CA

- Wrote student-facing Python unit tests for checking their own stacks, queues & hash tables
- Developed Data Structures & Algorithms reference distributed to 200+ CS students
- Refactored instructional tutorial from Django with NoSQL / MongoDB for Flask & SQL

Industry Partner Collaboration

Oct 2020 - Jan 2021

Make School

San Francisco, CA

- Automated 75% of manual administrative process by developing web GUI utility to parse data & generate confidential PDF forms for eSignature with Google Apps Script
- Facilitated sprints, planning, retrospectives & demo meetings using Agile methodology as PM / SCRUM master on team of 5 engineers

Techlab Manager / IT Associate

Oct 2015 - Aug 2019

California Institute of Technology

Pasadena, CA

- Spearheaded summer pilot makerspace program into a thriving & permanent lab
- Managed rotating team of 7-10 part-time student workers, volunteers and library staff
- Consulted for faculty, post-doc, grad & staff researchers on unique design & fabrication solutions
- Registered over 600 users, onboarding 10-25 new users per month, averaging 425+ successful print jobs between 85+ unique users monthly (data collected from Fall 2015 to Dec 2018)