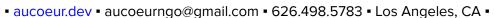
Aucoeur Ngo







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 postgreSQL 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

Intern, CyberSecurity Tools

CodeDay Labs

Jun 2021 - Aug 2021

Remote, US

- Create tools for penetration tests, run security assessments, deploy phishing campaigns
- Mentored by Nicholas Tong, Sr. CyberSecurity Engineer at AMSYS IS, with 2 other interns

Curriculum Assistant

MakeSchool.org

Sept 2020 - Jul 2021

San Francisco, CA

- Developed Data Structures & Algorithms reference guide distributed to 200+ CS students
- Refactored instructional tutorials from Django with NoSQL / MongoDB for Flask & SQL

Industry Partner Collaboration

Dominican University of California

Oct 2020 - Jan 2021

San Rafael, CA

- Automated 75% of manual administrative processes 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)

EDUCATION

Bachelor of Science in Applied Computer Science

Aug 2019 - Aug 2021

Dominican University of California

San Rafael, CA