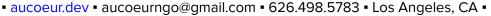
# **Aucoeur Ngo**







#### **TECHNICAL PROJECTS**

#### WeVote // https://wevote.us

- Contributed to WeVoteServer, the Django backend of WeVote, an open-source project dedicated to increasing voter participation (40k+ users)
- Wrote Python unit tests for retrieving JSON data from PostgreSQL db via API endpoint (PR #1648)

## pdlauncher // https://www.npmjs.com/package/pdlauncher

Published NPM utility to launch peardeck session in-browser via CLI (600+ 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 & distributed 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

- Deployed internal phishing awareness campaign (54% click-through, 33% successful capture)
- Built containerized tools & applications on Linux instances provisioned on EC2 & DigitalOcean
- Collaborated on a team of 3 interns, mentored by Nick Tong, Sr. Security Engineer at AMSYS IS

## Computer Science Curriculum Assistant

MakeSchool.org

Sept 2020 - Jul 2021

San Francisco, CA

- Compiled comprehensive Data Structures & Algorithms references distributed to 200+ students
- Refactored instructional tutorials to implement with different frameworks, ie. Django & Flask with PostgreSQL to MERN stack; REST to GraphQL

#### Industry Partner Collaboration - Caltech Library

Oct 2020 - Jan 2021

Dominican University of California

San Rafael, CA

- Automated 75% of manual administrative workflow by creating a web-based data pipeline & GUI to parse, clean & save data into Google Sheets
- Created script to merge Sheet data with templates to generate PDF forms for eSignature
- Facilitated sprints, planning, retrospectives & client 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 pilot makerspace summer 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
- Administered service for 600+ users, onboarding 10-25 new users per month, averaging 425+ successful print jobs between 85+ unique users monthly (data collected Fall 2015 to Dec 2018)

#### **EDUCATION**

Aug 2019 - Aug 2021