Aucoeur Ngo

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TECHNICAL PROJECTS

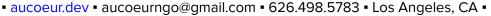**WeVote** // https://wevote.us
- Contributed to WeVoteServer, the Django backend of WeVote, an open-source project dedicated to increasing voter participation (40k+ users)
- Wrote Python unit tests for retrieving JSON data from postgreSQL db via API endpoint ([PR #1648](https://wevote.us))

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   Jun 2021 - Aug 2021
CodeDay Labs   *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   Sept 2020 - Jul 2021
MakeSchool.org   *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

Bachelor of Science in Applied Computer Science   Aug 2019 - Aug 2021
Dominican University of California   *San Rafael, CA*