
Aucoeur Christine Ngo

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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 partner on WeVote, a non-profit, non-partisan movement, dedicated to increasing voter participation and turnout (**40k+ users**)
- Contributed to WeVoteServer, the **open source** repo for WeVote's backend
- Wrote **Django / Python unit tests** for an **API** endpoint sent to the **postgresql** database (**PR #1648**)

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

- Published **NPM** utility that launches a peardeck session in-browser via **command line** to reduce tedious, multi-click process into one command (**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 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 & supervised by Nicholas Tong, Sr. CyberSecurity Engineer at AMSYS, on a team of 3

Curriculum Assistant

Sept 2020 - July 2021

Make School

San Francisco, CA

- Developed student-facing **Python unit tests** to verify conceptual understanding of building & implementing stacks, queues & hash tables
- Wrote **Data Structures & Algorithms** documentation 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 a 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 projects requiring **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)