Aucoeur Christine Ngo

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EDUCATION

Bachelor of Science in Applied Computer Science   graduating **July 2021**

Dominican University of California, Make School   *San Francisco, CA*

TECHNICAL PROJECTS

WeVote // https://wevote.us
- Collaborated with industry developers and fellow students to contribute to We Vote, an **open source** project, dedicated to increasing voter participation and turnout (**40k+ users**)
- Wrote **unit tests** in **Python** for an **API** endpoint on WeVoteServer's **django** backend. (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*
- Mentored & supervised by Nicholas Tong, Sr. CyberSecurity Engineer at AMSYS, on a team of 3 software engineering interns
- Developed anti-phishing tools, created & ran security assessments, set vulnerability scanners

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 **GUI web 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)