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# Aucoeur Christine Ngo

- [aucoeur.dev](https://aucoeur.dev) ▪ [aucoeurngo@gmail.com](mailto:aucoeurngo@gmail.com) ▪ 626.498.5783 ▪ Los Angeles, CA ▪
- [linkedin.com/in/aucoeurngo](https://linkedin.com/in/aucoeurngo) ▪ [github.com/aucoeur](https://github.com/aucoeur) ▪ [makeschool.com/portfolio/aucoeurngo](https://makeschool.com/portfolio/aucoeurngo) ▪

## EDUCATION

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**Bachelor of Science in Applied Computer Science**

*Dominican University of California, Make School*

**Anticipated Aug 2021**

*San Francisco, CA*

## PERSONAL PROJECTS

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**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**

**gobookie** (under development) // <https://github.com/aucoeur/gobookie>

- An ongoing, experimental **golang CLI** project exploring **Google Cloud Vision API** and **image processing** modules with the goal of allowing users to quickly catalog their books, check prices for resale, donation, etc in one snapshot

**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

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**Curriculum Assistant**

*Make School*

**Sept 2020 - Present**

*San Francisco, CA*

- Wrote student-facing **Python unit tests** to verify conceptual understanding of building & implementing stacks, queues & hash tables
- Developed **Data Structures & Algorithms** documentation distributed to **200+ CS students**
- Refactored instructional tutorial from **Django** with **NoSQL / MongoDB** for **Flask & SQL**

**Industry Partner Collaboration**

*Make School*

**Oct 2020 - Jan 2021**

*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**

*California Institute of Technology*

**Oct 2015 - Aug 2019**

*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)

## TECHNICAL SKILLS

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**Languages:** Python, Javascript, golang, shell

**Backend:** NodeJS, Django, Flask, GraphQL

**Frontend:** ReactJS, D3.js, Scss/Sass, CSS, HTML

**Tools:** Docker, AWS, Heroku, Jira, TravisCI

**Databases:** MongoDB, PostgreSQL

**Web Scraping:** chromedp, colly

**Data Visualization:** matplotlib, pandas, numpy

**APIs:** Cloud Vision, Mailgun, Stripe & more