

Cheuk Ho Lui

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EDUCATION

University of California, Merced
B.S. in Bioengineering

Graduated December 2019

Yonsei University (YISS) – Study Abroad Student
Seoul, Korea

June 2019 – August 2019

- Studied international stock market and economics with international student body

EXPERIENCE

Rithm School – Full Stack Web Development
San Francisco, California

January 2022 – May 2022

- 16 week immersive software engineering program focusing on full stack development
- Training on front-end development via JavaScript & server-side programming in Python
- Learn about modern design patterns and frameworks: Single Page Applications along with React & Node.js
- Will be working on two real-world projects with different organizations in the Bay Area
- Solidifying computer science knowledge through practice hundreds of coding challenges including Big O Notation, data structure, algorithm as well as system design and architecture

Dev/Mission – Uber Full Stack fellowship
San Francisco, California

January 2021 – May 2021

- Developed a non-profit & community based [Bulga](#) financial project to help young adults jump start financial stability
- Collaborated with Code4SF's volunteer designer to build wireframes & visual design via Figma software
- Documented response from surveys and potential users' interview to improve personal development
- Engineered the idea of Created budget project to help young adults save money through the use of personalized budget plan and automated system calculation

Thermo Fisher Scientific – Biosample Lab Associate @ Amgen
So. SF, California

February 2020 – January 2021

- Responsible for receiving and accessioning over 500 HTSC biosamples weekly for distributions to internal/external vendors plus in-house process QC methods to assess the quality of samples
- Monitored shipments through LIMS & MOSAIC/REMP for downstream experiment
- Utilized Flow Cytometry protocol to set up morning equipment
- Oversaw Critical Equipment Monitoring System (CEMS) to monitor ultra low temperature freezers
- Managed high density tissue archive room and arrange tissue blocks/slides upon request

Half Dome Solar Panels

August 2019 – December 2019

UC Merced, Engineer Capstone Project

- Collaborated with team to build a semi-auto solar panel cleaning prototype to meet client requirements
- Applied engineering knowledge to solve multiple constraints concerning the building height, environmental hazards, pedestrian safety and OSHA regulations in developing prototype
- Financed and analyzed cost differential and energy savings between use of prototype and rainwater

Undergraduate Research Assistant – Bioprinter
UC Merced, School of Engineering

August 2017 – December 2018

- Assisted PhD candidate in developing bioprinter to engineer tissue via coding language; worked on refining movement of syringe that delivers biomaterial
- Utilized SketchUp 3D modeling software to delineate each component for open source use

SKILLS & AFFILIATIONS

Programming Languages: JavaScript(ES6), HTML5, CSS3, Python3, TypeScript

FrameWork/libraries: React.JS, Express, Flask, SQLAlchemy

Database: PostgreSQL

Development Tools: Visual Studio Code, Git, Github, Docker

Languages: Fluency in English, Mandarin, and Cantonese

Affiliations: Dev/Mission, College Track San Francisco, Sigma Chi