

# Cheuk Ho Lui

📍 San Francisco, California ☎ (415) 539 5070

✉ [luialex0@gmail.com](mailto:luialex0@gmail.com) [www.linkedin.com/in/cheukholui](https://www.linkedin.com/in/cheukholui) <https://github.com/chucklui>

## EDUCATION

**University of California, Merced**

**Graduated December 2019**

B.S. in Bioengineering

**Yonsei University (YISS) – Study Abroad Student**

**June 2019 – August 2019**

Seoul, Korea

- Studied international stock market and economics with international student body

## EXPERIENCE

**Rithm School – Full Stack Web Development**

**January 2022 – May 2022**

San Francisco, California

- 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: SPA with React & Express, Flask
- Will be working on real-world codebase with other engineers to fix and implement issue tickets
- 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**

**January 2021 – May 2021**

San Francisco, California

- 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**

**February 2020 – January 2021**

So. SF, California

- 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**

**August 2017 – December 2018**

UC Merced, School of Engineering

- 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