

# Wai Hei Ngan (Ray)

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## EDUCATION

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### University of California, Davis

Bachelor of Science in Computer Science

Graduation: June 2022 | GPA: 3.33

## TECHNICAL SKILLS

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- Fluent: English, Cantonese, Mandarin
- Advanced knowledge of software languages: C, C++, JavaScript, HTML, CSS, Swift, Python, Java, Assembly, Node.js
- Proficient knowledge of software languages/ framework: SQL, Java, jQuery, React, R

## EXPERIENCE

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08/2020 - Present

### Undergraduate CS Research Assistant | Gunrock Breakerspace

Browser fingerprinting (Industry collaborators: Apple, Mozilla)

- Study the impact of obfuscation on existing browser fingerprinting detection approaches directed by UC Davis CS Faculty
- Analyze top one million sites as data sets using web privacy measurement framework
- Automate web crawling obfuscation techniques using selenium browser automation
- Implement solutions and processes to access sqlite database and storage
- Develop obfuscation-resistant fingerprinting detection approaches using machine learning techniques

06/22/2020

### Front End Developer/ UXUI Designer

StudentsBuild4COVID19 Hackathon

- Awarded Second Place based on innovation, practicality, impact, functionality
- Used HTML, CSS, JavaScript, Bootstrap, and jQuery to develop a web application that rates COVID safety ratings of different stores and restaurants
- Leveraged my knowledge on software development lifecycle: analysis of relevant markets, potential problems, data usage, business model, and prototyping

10/2019 - 02/2020

### Software Developer

Bit Project

- Designed and wrote up to 20 programming workshops such as MongoDB, Node.js, HTML, CSS, APIs, and graphs algorithms
- Supervised curriculum making, workshops, and labs in the development team
- Conducted workshops for MongoDB and hosted at UC Davis