Wai Hei Ngan (Ray)

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EDUCATION

Graduation Year 2022

University of California, Davis

Computer Science, B.Sc

TECHNICAL SKILLS

- Fluent: English, Cantonese, Mandarin
- Advanced knowledge of software languages: C, C++, JavaScript, HTML, CSS, Assembly
- Proficient knowledge of software languages: Python, Java, jQuery, React, Bootstrap, R
- Other technical skills: Linux, Windows, MacOS, Photoshop, Matlab

EXPERIENCE

08/2020 - Present

Undergraduate CS Researcher

Browser fingerprinting (Industry collaborators: Apple, Mozilla)

- Study the impact of obfuscation on existing browser fingerprinting detection approaches
- Develop and improve obfuscation-resistant fingerprinting detection approaches
- Conduct deep research on 1000+ fingerprinting scripts and obfuscators with other promising undergraduates directed by UC Davis CS Faculty

06/22/2020

Front End Developer/ UX Designer

StudentsBuild4COVID19 Hackathon

- Awarded Second Place based on innovation, practicality, impact, functionality
- Used HTML, CSS, JavaScript, Bootstrap, and jQuery to develop a web application to rate COVID safety ratings of different stores and restaurants
- Leveraged my knowledge of different aspects of building apps from the ground up, such as analysis of relevant markets, potential problems , business model, and prototyping

10/2019 - 02/2020

Software Developer

Bit Project

- Student-run organization integrates advancing STEM activities into underserved K-12 classrooms
- Designed and wrote up to 20 programming workshops such as MongoDB, Node.js, HTML, CSS, APIs, and graphs algorithms
- Used HTML, CSS, JavaScript, and Node.js to build website for charity
- Supervised curriculum making, workshops, and labs in the development team
- Conducted a workshop for MongoDB and presented it at UC Davis