CATHERINE MAI_

COMPUTER SCIENCE / MEDIA ARTS STUDENT

/ ABOUT ME

I enjoy writing front-end web implementations as it combines my passions for visual design and programming.

I am looking to expand my skills and gain hands-on experience in industry projects.

/ CONTACT

E: cmai@outlook.com.au
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G: github.com/stickpenguin

/ LANGUAGES

Web	Programming
JavaScript	Python
React	C
HTML	Bash/Shell
CSS	Perl

/ EDUCATION

>> UNIVERSITY OF NEW SOUTH WALES

B. Computer Science / Media Arts | *Expected grad: December 2023*

- SDES3174 | Digital Design - Introduction to Web Design
  - Studied the principles of visual design for desktop websites
  - Designed the home page of a desktop website and web article pages iteratively using wireframes and prototypes
  - Implemented these designs using HTML, CSS and JavaScript to create a functional static website
- COMP6080 | Web Front-End Programming
  - Studied the methods and best practices of implementing responsive desktop and mobile websites
  - Designed and implemented responsive websites using React, JavaScript, HTML and CSS, including one that displayed data retrieved from a Restful API back-end server
- COMP1531 | Software Engineering Fundamentals
  - Studied the fundamental practices of software engineering
  - Wrote the front-end of a static Python/Flask desktop web app using HTML, CSS and JS
- COMP6443 | Web Application Security and Testing
  - Studied vulnerabilities that can arise in web applications and how to exploit and defend against them
  - Completed fortnightly exploitation projects
  - Worked in a group to write 2 penetration testing reports on vulnerabilities including unauthorisation, XSS, LFI, SSRF and SQLi

/ WORK EXPERIENCE

>> UI / UX DESIGNER & FRONT-END DEVELOPER

Cyber Checkup | *2020*

- **Designed the UI & UX of a desktop web app** iteratively using wireframes and prototypes for a cybersecurity questionnaire project led by Professor Richard Buckland
- **Wrote the front-end** of the app in JavaScript, HTML and CSS
- **Collaborated** with a team to determine the project requirements and revise the designs

>> TEACHING ASSISTANT

Code Camp | *2018 - current*

- **Provided one-on-one teaching support** to primary and early high school aged children on how to code their own video games

/ EXTRACURRICULAR

>> STAGE PERFORMER, THEATRE TECHNICIAN AND MORE

UNSW Theatrical Productions (Revues, MTS, NUTS) | *2017 - 2019*

- **Performed in 3 annual revues** as a major character, solo and a cappella singer, and contemporary, hip hop and jazz dancer
- **Was a theatre technician and stage crew member for 6 productions** with roles including Assistant Stage Manager, lighting and sound designer and technician, follow spotter and set/props maker
- **Created costumes, scripts and arrangements** across 3 productions