

Britney Wang

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EDUCATION

Computer Science, Study Abroad, University of Reading, UK **Sep 2022 – Jan 2023**

- Monash Study Abroad Programme, participated at the end of BA degree
- Relevant subjects: Virtual Reality, HCI and Web Applications, Marketing Essentials

BA Computer Science, Monash University, Kuala Lumpur, MY **Jul 2019 – Jul 2022**

Advanced Computer Science (GPA 3.8)

- Recipient of Monash High Achiever Award 2019-2022 – awarded for achieving an average score of at least 80% every semester
- Relevant subjects: Parallel Computing, Advanced Algorithms and Data Structures, Objected Oriented Programming, Databases, Programming Paradigms, Image Processing

Dissertation: Ads Decoder

2021 – 2022

This project explored ways to automate the process of decoding the deeper messages behind advertisements

- Combined the image features with the text descriptor and predict the symbolic regions with labels that draws the audience's attention
- The idea of combining text embeddings with image features extracted by the image classifier is inspired from the VQA model
- A modified version of Faster RCNN was used to examine the use of descriptors to automatically annotate symbolic regions in advertisements

PROGRAMMING WORK EXPERIENCE

Developer Intern, Configura Kuala Lumpur, Malaysia

Mar 2022 – Jul 2022

- Designed and built a constraint-solver algorithm with linear programming practices to improve CET Designer's UI/UX using company's in-house language, Configura Magick (CM)
- Conducted a company-wide presentation to demonstrate the constraint-solver algorithm, including staff from the Sweden, USA, Japan, and Malaysia offices
- Collaborated with the QA team to complete on-call tasks and regression testing on CET minor build versions using Jira and Test Rails

Software Engineer Intern, PostCo Kuala Lumpur, Malaysia

Nov 2020 – Feb 2021

- Maintained and added new features to the existing web application using React and Ruby on Rails
- Designed and developed a mockup for a new retailer web application, PostCo Darkstores and built it on React and Typescript
- Collaborated with the Operations team to query Darkstores orders, helping them to manage customer orders more efficiently using SQL and Airtable

TECHNICAL SKILLS

Python, Java, C, C#, React.js, React Native, Javascript, HTML, CSS, Haskell, SQL, Typescript, Ruby on Rails, R, MATLAB, SQL, Git, Heroku, Unity, Railway, Solidity, Dart, Flutter, GPT-3

PERSONAL PROJECTS

CryptoZombies: Solidity Smart Contracts **2023**

Completed an interactive web3 school's basic to intermediate course on Solidity Smart Contracts. Learned advanced solidity concepts, ERC721, Web3.js and Crypto-Collectibles.

Ready to Eat **2023**

A mobile application helping users to pick a restaurant to eat at. Allows users to input a list of restaurants and randomly chooses one out of the options. Built on React Native.

Michael Scott Bot **2022**

A chat bot of Michael Scott from The Office. Ask him anything (paper or non-paper related) or just have a casual chat with him. Integrated OpenAI's GPT-3 to generate responses and developed a chrome extension for the chatbot. Build on ReactJS and deployed on Railway.

MSTW Young Malaysian Engineers Fireside Chat Speaker **2022**

Attended the event as an undergraduate student in Computer Science, hoping to empower current STEM students by sharing my experiences with university and internship experiences.

Expense Tracker **2022**

A simple expense tracker application where users can add expenses and gives a summary overview of their expenses based on every month of the filtered years. This project was created to practice the fundamentals of ReactJS.

Coffee Around the World **2022**

A data visualization project that uses existing databases to visualize coffee statistics around the world using different plotting techniques. Developed on JavaScript, HTML and CSS.

Curify **2021**

A web application that generates a list of curated Netflix shows and movies based on users' own Spotify playlist. Designed mockup on Figma, built on ReactJS. Utilised Spotify and third-party Netflix open API resources.

Shopee Code League **2020 & 2021**

A coding league consisting of coding competitions and workshops held by industry experts. Collaborated with team members solving real world algorithmic and data science problem sets that are applicable to the e-commerce business today.

NASA Space Apps Challenge **2020**

Intrepidus is a mobile application that helps astronauts shift their sleep according to their circadian rhythm, also included suggested meal and exercise times. Achieved by computing an algorithm to shift sleep according to astronauts' circadian rhythm, considering individual's work preference. Built on Dart and Flutter.