

# Britney Wang

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## EDUCATION

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### 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 WAM 80% every semester
- Relevant subjects: Parallel Computing, Advanced Algorithms and Data Structures, Objected Oriented Programming, Databases, Programming Paradigms, Image Processing
- Expected graduation: July 2023

### Dissertation: Ads Decoder

2021 – 2022

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

- 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

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### 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.
- *Tech stack: Configura Magick (CM), Jira, Test Rails*

### Software Engineer Intern, PostCo Kuala Lumpur, Malaysia Nov 2020 – Feb 2021

- Maintained and added new features to the company's main application
- Designed and developed a mockup for a new retailer web application, PostCo Darkstores
- Collaborated with the Operations team to query Darkstores orders, helping them to manage customer orders more efficiently
- *Tech stack: ReactJS, Typescript, Ruby on Rails, SQL, Airtable*

## TECHNICAL SKILLS

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Python, Java, C, React, Typescript, Javascript, HTML, CSS, Solidity, Dart, Flutter, Firebase, Heroku, Railway, SQL, Haskell, Ruby on Rails, Git, Unity

## PERSONAL PROJECTS

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### **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.

*Tech stack: Solidity, WebJS*

### **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. *Tech stack: React Native.*

### **Michael Scott Bot** 2022

A chat bot of Michael Scott from The Office. Integrated OpenAI's GPT-3 to generate responses and developed a chrome extension for the chatbot.

*Tech stack: ReactJS, Railway, GPT-3*

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

Attended the event as speaker for an undergraduate student in Computer Science, empowering students by sharing my experiences with university and internships.

### **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. *Tech stack: 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. *Tech stack: 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. *Tech stack: ReactJS, Heroku, Spotify & Netflix API*

### **Shopee Code League** 2020 & 2021

A hackathon with coding competitions and workshops held by industry experts.

Collaborated with team members solving real world algorithmic and data science problem sets applicable to the e-commerce business today. *Tech stack: Python.*

### **Bookstore on Rails** 2020

A web application that maintains product and user information for a bookstore – database, create new products, edit existing products, delete unwanted ones and so on.

*Tech stack: Ruby on Rails.*

### **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. *Tech stack: Dart, Flutter, Firebase.*