

# Ashly Lau

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## EDUCATION

### Imperial College London

09/2017 – 06/2021

Computing – Artificial Intelligence (MEng)

- Modules: Algorithms, Hardware, Architecture, Databases, Intro to AI, Operating Systems, Networks, Compilers
- Current Cumulative Grade: First Class Honours
- Projects: Implemented an ARM emulator, assembler and assembly program in C; wrote a compiler for WACC
- Selected to be an Undergraduate Teaching Assistant (Programming) for 2019/2020

### Raffles Institution

01/2015 – 12/2016

Cambridge-Singapore GCE A Level

- 7 Distinctions: Physics, Chemistry, Mathematics, Economics, Higher Chinese, General Paper, Project Work
- Awarded the Raffles Diploma with Distinction

## EXPERIENCE

### Google

07/2019 – Present

Summer Trainee Engineering Practicum Intern | GHC Scholar '19

- Implementing an on-device data collection pipeline and performing data analysis using TFLite
- Creating an Android app for data visualisation with consult from a UX designer, implemented using Vega-Lite

### HP Inc.

07/2018 – 08/2018

Software R&D Intern

- Improved scanner workflow with Android app which invokes a TensorFlow model to classify scanned documents
- Designed an algorithm to automatically crop and rotate scanned documents - submitted for patent filing

### DDB Worldwide Pte Ltd

02/2017 – 04/2017

Account Executive Intern

- Assisted with the formulation of marketing strategies by working with a team to brief media and creative staff
- Facilitated communications between clients and creatives by managing client accounts and projects

## ACTIVITIES

### Facebook Hack-A-Project

02/2019 – 03/2019

- Attended weekly workshops at the Facebook London office, which included coding challenges and a hackathon

### AI Hack 2018

10/2018 – 10/2018

- Analysed, cleaned and visualised data on traffic accidents in the UK, identifying features and trends
- Developed two models on the cleaned data to predict severity of road accident casualties

### JP Morgan Data Science and Machine Learning Workshop

10/2018 – 10/2018

- Learnt data manipulation and built ML models with real-world data using pandas, numpy and scikit-learn

### Singapore National Team, Artistic Gymnastics

01/2012 – 12/2016

- Participated in numerous international competitions, including:
  - 2015, Singapore: Southeast Asian Games – Team Silver
  - 2014, Glasgow: Commonwealth Games

## PROJECTS

### Cinct

05/2019 – 06/2019

- Designed a group movie selection mobile application using React Native, Django and a PostgreSQL database

### Pintos

10/2018 – 11/2018

- Led a team to strengthen support in thread scheduling and added virtual memory implementation for Pintos

### Portfolio Website

08/2018 – 08/2018

- Created a mobile and web-responsive website using a Bootstrap framework, hosted on GitHub Pages

## SKILLS

- Programming Languages: Java, C, C++, Python, JavaScript, Prolog, Haskell, HTML5, CSS3
- Others: Android App Development, Web Development, GitHub, React Native, Bootstrap 3, pandas

## AWARDS/ACHIEVEMENTS

- Meritorious Sportsgirl Award (Singapore National Olympic Council) 01/2015 – 12/2016
- EAGLES (Edusave Awards for Achievement, Good Leadership and Service) 01/2011 – 12/2015