Timothy Yeo

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EDUCATION

Imperial College London **(current) 2019-2023**

MEng Computing (Artificial Intelligence and Machine Learning)
- Year 1 – 1st class honours, including in the Programming 1 module
- Recipient of the IET Diamond Jubilee Scholarship for commitment to engineering

Dame Alice Owen's School **2012-2019**

GCSEs – 11 A*s including in Mathematics and English Language
A Levels – 5 A*s in Maths, Further Mathematics, Physics, Economics, and EPQ
- District Finalists of the Youth Speaks Competition, and awarded best Vote of Thanks (2015)
- Representative for UKMT and FMSP Team Mathematics Competitions (Regional Winner in 2014)

PROJECTS

JPMorgan Virtual Internship Experience **(React, TypeScript, Node.js, Python) 2020**
- Was guided through the process of creating an interface for a live stock price data feed using the technologies above
- Learned about unit testing and gained an insight into how software engineering is conducted within the Fintech industry

Flash - *https://timmmyeo.github.io/flash/* **(React) 2020**
- Picked up JavaScript and React in 2 weeks to build an electronic flashcard website
- Used the Material-UI CSS Framework for styling and React Router to navigate between pages
- Flashcards are stored in state using the state hook and can be edited on the edit page

ARM11 Emulator and Assembler Group Project **(C) 2020**
- Implemented an emulator and assembler for the ARM11 instruction set
- Also assisted in the extension – A music visualizer for MIDI files displayed on a virtual 7x7 LED matrix board
- Led the group project - used a Gantt Chart to ensure we met deadlines and modularised the project into subtasks making various git branches, and also followed AGILE development principles

LinkUp (ICHack 20) - *http://mixpoint.herokuapp.com/* *(Site is broken due to API issues)* **(Flask, React) 2020**
- Created a website in 24 hours to find good meetup locations given an arbitrary number of input locations
- Used the Google Maps API and triangulated the input positions to suggest the best nearby attractions
- Utilized Flask for the backend and deployed on Heroku; teammates used React for the frontend

JishoScraper - *https://github.com/timmmyeo/JishoScraper* **(Python) 2019**
- Scraped data from Jisho.org using BeautifulSoup to simulate an API call
- Takes an input kanji and will return data about that kanji such as readings and radical components

WORK EXPERIENCE

FunTech - *Virtual Camp Tutor* **July 2020 – August 2020**
- Worked as a Java and Python Tutor for groups of children aged 10/11 upwards
- Utilised analogies to explain simple algorithms such as linear search and bubble sort, as well as OOP concepts
- Devised daily challenges for children to practice their skills and learn about new topics such as encryption

Advance Tutorial College - *Tutor* **August 2017 – July 2018**

Testbirds - *Tester* **2015 - 2018**
- Tested various software including websites and mobile applications in the early stages of development to identify bugs relating to usability, UI/UX, and performance issues. All issues were then documented and written up in a report

SKILLS & INTERESTS

- **Skills:** Comfortable in Python and Java. Worked with C and Haskell. Exposed to JavaScript and React.
- **Other Awards:** Piano (Grade 8 Distinction), French Horn (Grade 8 Distinction), Duke of Edinburgh Award Bronze
- **Interests:** Table Tennis, eSports, Smartphones and Technology, Learning Japanese, Reading