BENJAMIN LEONG

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EDUCATION

University of Warwick Coventry, UK
BS Mathematics *Result: 1st Class Honours* Oct 2016 - Jul 2020

University of Tokyo Tokyo, Japan
Japanese Language and Culture Sep 2018 - Jul 2019

A Level results: A* in Maths, A* in Further Maths, A* in Physics Jul 2016

WORK EXPERIENCE

Crown Agents Bank London, UK
Intern (Finance) Jul 2017 - Sep 2017

- Conducted a research project into the phone-based money transfer service M-Pesa, and presented my findings to the Head of Corporate Strategy and Development.
- Used Microsoft Excel to create daily information dashboards and MI reports for the Management Information Systems team, and introduced optimisations that streamlined the creation process.

Crown Agents Bank London, UK
Intern (Digitisation) Jul 2016 - Sep 2016

- Worked as part of a team on a digitisation project for the Client Services department.
- Scanned hundreds of files that are still used by employees today, ensuring the data was properly interpreted by the system and liaising with seniors to correct inconsistencies.

PROGRAMMING EXPERIENCE

Algorithms and Combinatorial Optimisation modules
Computer science modules that I studied at university relating to algorithms and combinatorial optimisation. These modules covered common algorithms and discussed time complexity analysis.

Tilegame (ongoing) *Python, GitHub*
A mobile puzzle game, where players must traverse a grid to reach a goal while passing through every possible tile on the way. Worked as part of a team of four, using Git to collaborate.

Array sorting visualiser *JavaScript, HTML, CSS* http://bit.ly/bl-sorting
A web application to visualise standard sorting algorithms, such as Quicksort, Merge sort and Heapsort.

Sudoku Solver *JavaScript, Git, HTML, CSS* http://bit.ly/bl-sudoku
A web application that solves pre-generated or user inputted Sudoku puzzles, by implementing a backtracking recursion algorithm. Created a GUI using HTML and CSS.

Twitter Clone (ongoing) *Python, Django, JavaScript, ReactJS, PostgreSQL, HTML, CSS*
A fullstack simplified version of Twitter, including features such as following and personalised timelines. Developed a dynamic webpage using ReactJS, and a RESTful API in Django to handle user requests, using PostgreSQL as the database management system.

TECHNICAL SKILLS

Languages:	Python, JavaScript, ReactJS, SQL, HTML, CSS
Tools and areas:	Git, GitHub, PostgreSQL, OOP (Object Oriented Programming), Algorithms

EXTRACURRICULAR

Japanese Language Proficiency Test N2 Jul 2019
Passed the second highest level of the JLPT, displaying "a high level of proficiency" in Japanese.

Chinese Proficiency Test (Mandarin) level 2 Oct 2020
Passed the second level of the HSK, indicating a beginner level of Mandarin.

Tournament Organising (University) Oct 2020
Worked as part of a small team to organise regular gaming tournaments of up to 70 attendees.

Microsoft Office Specialist Excel (Microsoft Qualification) Jan 2020

Duke of Edinburgh Gold Award May 2016

Grade 8 Piano and Grade 8 (Merit) Flute Nov 2015