CURRICULUM VITAE

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PERSONAL STATEMENT

I am a recent mathematics graduate with a first class honours degree in Mathematics from the University of Warwick, looking to start my career in software engineering and continue to develop the skills I learnt over my degree, such as problem solving and the ability to understand complex systems.

EDUCATION

❏ I graduated with a first class honours degree in Mathematics from the University of Warwick (Oct 2016–Aug 2020).
- During my time at university I took a wide range of modules, from pure mathematics to more applied subjects, such as a computer science module on algorithms, as well as Japanese and Mandarin classes.
- My course was highly dependent on one's ability to understand a wide range of complex systems, and applying that knowledge to solve difficult problems.
❏ I also spent a year abroad at the University of Tokyo (Sept 2018–July 2019).
- I took part in a number of group projects in both English and Japanese, such as an investigative report on the educational disparity between urban and rural areas of Japan, which involved researching largely in Japanese, analysing data, and presenting it to a group of 40 students.
- While in Japan, I passed the Japanese Language Proficiency Test N2, which is considered business level Japanese.
❏ A Level results: *A* in Maths, A* in Further Maths, A* in Physics.*
❏ Cambridge Sixth Term Examination Paper: *'1' in STEP I, '2' in STEP II.*
❏ Cambridge Pre-U Global Perspectives and Research: *Distinction.*
❏ GCSE results: *11 A*–A grades, including Maths, Further Maths, Physics, IT and English.*

PROFESSIONAL EXPERIENCE

❏ I worked as an intern at Crown Agents Bank from July to September 2017, primarily in the finance department.
- While placed with the strategy team, I conducted a research project into the phone-based money transfer service M-Pesa, which involved looking into its origins, functionality and its potential relevance to the bank and its clients. I presented my report to the Head of Corporate Strategy and Development.

- I used Microsoft Excel to update a daily information dashboard for the Management Information Systems team, and created daily and weekly MI reports regarding payments and deposits that were used by the whole team.
- With the accounting department I undertook a financial analysis of the bank through identifying trends in financial analysis ratios in previous annual reports, which involved working to strict time scales with attention to detail.
- I spent time with Client Due Diligence, Legal, and Client Services, and in addition I was given presentations by members of the Treasury, Risk and Compliance, and Operations teams.
❏ I was also at Crown Agents Bank from July to September 2016, undertaking a digitisation project for the Client Services department. While there I 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 any inconsistencies.
❏ I attended a Headstart course for engineering at the University of Oxford in 2015.

PROGRAMMING EXPERIENCE

❏ I have been self-teaching Python and some JavaScript, and have worked on a number of personal projects, most of which are hosted at *github.com/BenLeong0*. These include:
- Developing a mobile game as part of a team of four, using Git and GitHub to collaborate.
- Over fifty of the maths-related programming questions on ProjectEuler.net.
- A program to edit my 3000 electronic Japanese flashcards to include pitch accent patterns.
- Coding standard algorithms (such as array sorting, graph searching, dynamic programming), some of which I have created visualisations for (*benleong0.github.io/AlgorithmVisualisations*).
❏ While at university I took modules on algorithms (from the computer science department), combinatorial optimisation, and 'Mathematics by Computer' (using MATLAB).
❏ I also have experience with HTML and CSS, with projects including the framework for a personal blog site and some interactive JavaScript web applications.
- I have made a few sites using ReactJS, including a login page that calls an API to retrieve details about the user using a simple token authorisation system.

OTHER ACHIEVEMENTS & EXPERIENCE

❏ I have achieved a high level of proficiency in Japanese, passing the JLPT N2 exam in July 2019.
❏ I passed level 2 of the HSK Mandarin exam in October 2020.
❏ I was involved in organising and running gaming tournaments at university as part of a small team.
- I was also ranked 23rd in London (2018) and 29th in Japan (2019) for the related game.
❏ Microsoft Office Specialist Excel 2016 (Microsoft Qualification), passed in January 2020
❏ Duke of Edinburgh Gold, passed in May 2016
❏ Grade 8 Piano and Grade 8 (Merit) Flute, both passed in November 2015