

Profile

Computer Science undergraduate student with an analytical approach to problem solving and exemplary time management. Consistently comfortable with working under pressure as part of a team to ensure desirable project outcomes. Driven by a strong passion in technology to develop new skills and confidently adapt to new situations.

Education

- **University of Nottingham** Nottingham
BSc Computer Science (Expected June 2022) Sept. 2018 - June 2022
– Achieved a Class I grade in Year 1 and Year 2.
- **Queensmead School** Ruislip, London
A Levels Sept. 2015 - June 2017
– Achieved Chemistry - A, Mathematics - A, Further Mathematics - C
- **Queensmead School** Ruislip, London
GCSEs Sept. 2014 - July 2015
– Achieved 10 GCSEs between A* - B

Experience

- **University of Nottingham** Nottingham
Year 3 Dissertation - Partial Password Matching October 2021 - Present
– Investigate and classify the usefulness of incomplete password information for the aim of password recovery.
– Design an interface that allows the end-user to enter partially remembered password information to maximise the amount of search space reduced.
– Build a system to recover a password from a salted hash by systematically generating hashes from the given partial password information using C++.
– Analyse the impact of different partial password information on reducing the search space.
- **Self-employed** London/Nottingham
IT Support Engineer July 2015 - Present
– Diagnose issues with hardware, software, and networking solutions to provide on-site support for private customers and small businesses.
– Consult with clients to offer advice on existing solutions that best fit their technological and business needs.
– Manage tasks effectively whilst communicating with clients and vendors to ensure all time constraints are met.
– Troubleshoot and provide documentation on implementations from previous support engineers.

- **Nottingham City Council** Nottingham
Team Administrator (Software Engineering Group Project) *Sept 2019 - June 2020*
 - Co-designed and built a web service for displaying real time bus information for NCTX buses in a team of six using Agile methodology.
 - Wrote core components to the Node.js back-end to interface and receive information from both Google and NCTX APIs.
 - Scheduled and led meetings with NCC and other key stakeholders to develop requirements and provide updates.
 - Maintained Kanban board and other project management documentation as well as meeting minutes using Jira and Confluence.
- **HegartyMaths** London
Internship *Oct. 2015 - May 2016*
 - Worked independently and in a team to solve problems and code solutions to assist migration to new technologies.
 - Created utilities to efficiently convert data from spreadsheets using Python and regular expressions.

Skills

- Proficient in C/C++, L^AT_EX, Java, Haskell, Python, RegEx
- Strong written and verbal communication skills
- Highly experienced in troubleshooting issues and solving problems
- Excellent time management

Interests

Projects: Currently developing a utility to generate bespoke themed invoices from a Salesforce opportunity, learning and experimenting with controlling audioreactive LED lighting with ESP8266 microcontrollers

Personal: Cycling, playing football, DJing