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Personal Statement

I am in my fourth year of a Computer Science degree at Bristol University and am on track for gaining a 2:1. During the summer of 2021 I completed a paid internship with Oracle Cloud Infrastructure working with a team of 8 people which involved development of Java applications working with Docker and using Terraform. University projects have included development and application of other skills by creating and managing databases and writing an API on AWS to connect to a database. I have published apps to the play store written in different languages.

Current Education

Computer Science (MEng) (Predicted 2:1)	University of Bristol	September 2018 – Current
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Useful modules:

- Software Product Engineering
 - Worked with a team to deliver an app to a real-world client.
 - Created a MySQL database and built an API powered by AWS to use it.
 - Utilized unit and instrument tests to use test driven development for our project.
- Games Project
 - Worked in a team of 6 in an agile way with daily standups to develop a game.
 - Created a MySQL database and built an API in GO to connect to it.
 - Lead developer using C#, supported other team members programming

Prior Education

Udacity Nanodegree on Android Development - completed during Summer 2020 lockdown

Highams Park Secondary School (2011-2018)

A levels - Computer Science - A Maths - A Further Maths - B Physics (AS) – B

GCSEs - 3A*, 3A, 1B, 4C. Maths - A, English Language - C and Computer Science - A*

Published Personal Projects –

Mazeable – This is a simple maze game built entirely in Kotlin as a native app. It allows players to play together or against each other using Firebase Real Time Database for the back end and using Google Play Game Services for user authentication. It is available on the Play Store here :
<https://play.google.com/store/apps/details?id=com.unamedCompany.Mazeable>

Duck Bills - This is a student bill tracking app developed in cooperation with a partner. It is built in Dart using the Flutter framework. It is fully cross platform between IOS and Android. It lets you enter a weekly budget and also join a group to help manage group bills such as water in a household where 2 or more students are renting. It uses Firebase Cloud Firestore as a backend. It is available on the Play Store here :
<https://play.google.com/store/apps/details?id=com.jamesstefan.DuckBills>

Portfolio Website

This is a website showcasing my past projects, including unpublished ones, built using HTML, CSS and JavaScript using the React framework. <https://cannon1155.github.io/ReactWebsite/>

Programming Languages and Technologies

Experienced in: Java, Dart, Flutter, Kotlin, Android, Android Studio

Familiar with: Lua, Python, Go, C, SQL, AWS, C#, Unity, JavaScript, CSS, HTML

Career to date

Jun 2021 - Sep 2021 **Summer Intern** (remote) **Oracle** (Based in Oracle Cloud Infrastructure Division)

- Took an active part in daily team standup meetings.
- Took ownership of a project, which I fully investigated, developed, wrote both unit and integration tests to test the code, made a PR for feedback from the wider team, then implemented feedback before merging the project into the codebase.
- Made a video demo for my project so the wider team could learn about it, and once it was merged presented a live demo to a team of 40, fully answering any questions that arose.
- Developed other project's using Java and Lua and developed my skills in using Docker and Terraform.

Soft Skills

Teamwork – At Oracle I worked closely with a team of 8 developing software. I have also worked in a variety of groups and roles both inside and outside of University to develop applications.

Communication – At Oracle I showed an understanding of what was required for my project and clearly communicated how my work was progressing, clarified any issues that had arisen and then presented the final product. In university projects I have shown good communication skills both within the group and with the non-technical client; explaining technical concepts, discussing the features they wanted, explaining whether suggestions were possible, allocation of roles, organisation of the workload and clarifying the remit given.

Time Management – At Oracle I planned my working hours so that any scheduled meetings could be attended and all deadlines were met. During university projects I organised meetings between the team and the client or just the team, developing and reviewing the work schedule, thus enabling last minute changes to features.

Problem Solving – At Oracle this involved working out what solutions were possible and what could go wrong with them. University projects involved how to meet the remit given, any adaptations requested, troubleshooting errors, researching and developing technical challenges such as allowing users from all over the globe to play the same maze in sync within the Mazeable App.

Initiative/Independent working – My internship was remote so required use of initiative and independent working at times. I also worked independently designing and creating the API and database for a University group project, completing a Udacity Nanodegree, researching how to publish apps on the Play Store.

Disability

Following an assessment by an Educational Psychologist I have been diagnosed with both Dyslexia and Dyspraxia. My dyslexia sometimes affects my ability to comprehend complex written text, occasionally I need to reread a text to understand it fully. Occasionally, I may ask for clarification when asked a complex question orally. It can also affect my ability to spell correctly however I enjoy reading and have a high reading level. My dyspraxia affects my handwriting and fine motor skills so I use a laptop for note taking and examinations.

Hobbies

Playing high level board games, video gaming, reading and programming.

Other links

LinkedIn - <https://www.linkedin.com/in/stefan-keeley/>

Portfolio Website - <https://cannon1155.github.io/ReactWebsite/>