Joshua Tyler-Jones

joshua@tylerjon.es | 07███████

███████████, Potters Bar, Hertfordshire, ██████

Third-year Software Engineering Master's student at the University of Southampton, building upon hobbyist experience borne out of my love for computer games. Previously worked alone or in small teams, developing small systems of personal interest with the aim of cultivating a broad set of technical skills; now looking for summer internships to gain experience in professional environments and explore my career options in advance of graduating in 2021. I have developed strong leadership and teamwork skills by being an active member of my local community, and I am always eager for opportunities to learn new skills and apply existing ones.

Education

2017 – 2021 **University of Southampton**
MEng Software Engineering

On track for a first, averaging 73% across the first year of the course - including 85% in Algorithmics and 80% in Programming - and 71% in the second year, with 84% in Distributed Systems and Networks and 80% in Programming Language Concepts. Third-year modules include Cloud Application Development, Advanced Databases, and Cyber Security.

2010 – 2017 **Dame Alice Owen's School**
A-levels in Mathematics (A), Further Mathematics (B), Physics (A*), and Chemistry (B), and 11 GCSEs grade A* - B including Mathematics, English Language and core sciences.

Work Experience and Positions of Responsibility

2017 – present **Technical Support Staff**
University of Southampton Students' Union, Southampton

Part-time employment at the students' union, working in a team to set up and monitor technical equipment used at a wide range of union events, and represent the union in creating a friendly and inclusive environment for our customers.

2016 – 2017 **Student Technical Director**
Dame Alice Owen's School, Potters Bar

Appointed to manage the school's student technical crew for the duration of year 13, after 6 years' experience volunteering as a crew member.

2015 – 2016	**Volunteer Computer Science Teacher**
	Pope Paul Primary School, Potters Bar

Assisted with informal after-school computer club at Pope Paul primary school, near Dame Alice Owen's, teaching Year 5 and 6 students basic computer science concepts such as visual programming and digital media creation.

Technical Skills

- Programming languages and frameworks:
  - I have been developing in Java for almost a decade, and have at least five years' experience with Python and Lua;
  - Good knowledge of a range of web languages and technologies, Git source control, Continuous Integration tools and SQL;
  - Some experience with JavaScript and libraries such as AngularJS and VueJS, cloud technologies like AWS and Firebase, Gradle, and Android development.
- Miscellaneous computer skills:
  - Experienced with Windows, Linux, Microsoft Office products and services, IDEs such as Eclipse and IntelliJ IDEA;
  - Designed and built microprocessor circuits and logic systems on PCBs from scratch as part of my GCSE coursework;
  - Practiced in building desktop computer systems.

Interests and Achievements

- Have a range of projects stored on GitHub, including: PiClock, a python-based prototype for a touchscreen alarm clock; a simple chatroom app that I developed to learn how to use Firebase; and my personal website, written from scratch and hosted on GitHub pages. As co-founder of STUDI/O, an Android app-making venture, I also contributed to a platform for sharing location-based data with friends for which I was responsible for managing the back-end systems, including writing a PHP REST API that I hosted on Amazon EC2.
- Avid Hackathon participant; my team came third in the University of Southampton CampusHack18.
- Ran a Raspberry Pi club at Dame Alice Owen's school with the aim of teaching younger students more advanced electronic and computer skills to supplement their learning in class. We additionally formed a competition team which competed in an event at the University of Hertfordshire; our team was awarded the IET Innovation Award for a prototype home automation system and accompanying test bench software which I developed.
- Keen member of the Scout Association since joining the Cubs in 2006; now working voluntarily in my group's Service Crew, which aims to assist leaders in organising and running meetings for the current generation of children, to give back to the community.

References Available on Request