

JAMES PATERSON

PERSONAL INFORMATION

Born in England, 27 August 1997

email james@mjsquare.com

website <http://www.thejamespaterson.com>

phone (M) 07908102754

PROFILE

21 year old student, currently placed at Oxford University, UK, studying Computer Science. I have extensive experience with modern web technology. Driven and motivated, I am always looking for new ways to expand my knowledge and gain more experience in the field of computing. I am also SC cleared.

WORK EXPERIENCE

Jul-Sep 2018 Software Engineering Intern, TRIPADVISOR EXPERIENCES

*Tripadvisor
Experiences*

During my time at TripAdvisor I worked on the New Supply Platform, a management tool for those looking to add experiences to the TripAdvisor/Viator platform. I deepened my working knowledge of React and Redux, as both were used extensively on the project, and also worked with Java and Postgres on the backend. This was my first experience working with a daily release schedule and I successfully applied my prior knowledge of source control to this new workflow.

Reference: Edd NICHOLS enichols@tripadvisor.com

Jun-Sep 2017 Software Engineering Intern, BAE SYSTEMS AI

*BAE Systems
Applied
Intelligence*

I worked at BAE Systems AI for a 12 week summer placement in their London Waterloo office. I was placed in the NS (National Security) sector of the company and tasked to extend an existing project by building a companion web based single-page mobile application. Allowed to choose my own technology stack and given autonomy in my tasks, I became highly familiar over the 12 weeks with React, Redux, and associated build tools like Git, NPM and Webpack which I used to create the product. The development of the app was a success and it was successfully integrated with the existing system at the end of the project. I also achieved a rare 5/5 rating (Outstanding) in my end of Internship review.

Reference: Paul KING paul.king@baesystems.com

2014-2018 Web Developer, NEXTNORTH LTD.

Nextnorth LTD

I was responsible for the execution and orchestration of many web based projects. I have worked on projects from simple web sites built with only HTML and CSS, to building large and complicated bespoke backends written in PHP for other clients. My roles included writing new websites from scratch, porting older websites to today's web standards, and sitting in on client meetings to provide expert opinion and advice.

Reference: Andrew CLARK andrew@nextnorth.com

EDUCATION

2018-Present Oxford University

COMPUTER SCIENCE MSc,

I am currently undertaking a Masters degree in Computer Science at Oxford University, Keble College.

2015–2018 Durham University

COMPUTER SCIENCE BSc, FIRST CLASS,

I studied at Durham University for my undergraduate, and gained a first class degree. My third year dissertation was on the Graph Partitioning Problem, where I investigated different heuristics for solving it.

2013–2015 Hills Road Sixth Form College, Cambridge

A*A*A in A Level Maths, Physics and Computer Science, AA in AS Level Chemistry, Further Maths

I studied both my AS and A levels at Hills Road Sixth Form College, achieving high marks throughout. I also took part in the Robotics club.

PROJECTS

Github: [View my Github](#)

2017 Durhack, DURHAM UNIVERSITY

In my second year of university, I was a core organiser for the Hackathon Durhack, held at Durham University on the 28th January 2017. I provided technical and organisational help on the day in addition to building and maintaining the event's website. [View the website](#)

2016 Algofighter, HACKSHEFFIELD

A project written in Node JS, for the HackSheffield hackathon. We wanted to create a way to teach people basic assembly programming, and so created a project to fight virtual bots over the internet. We used technologies such as NodeJS, AWS, and Socket.IO. I also improved my teamwork and organisational skills. This project won 1st prize. [View the code](#)

2016 Julia, PERSONAL

In order to improve my knowledge of Javascript and Maths, I wrote a small personal project to visualise Julia sets. I taught and expanded my knowledge myself about many things such as graphics and complex numbers, and while doing so, wrote my own library to help with complex number calculations. [View the code](#) · [Run the demo](#)

COMPUTER SKILLS

<i>Advanced</i>	PHP, MySQL, JAVASCRIPT (frontend), HTML/CSS
<i>Intermediate</i>	PYTHON, NODE JS, JAVA, Linux, Microsoft Windows, React, Redux
<i>Basic</i>	L ^A T _E X, Apache, nginx

OTHER INFORMATION

<i>Awards</i>	2016 · 1st Prize, HackSheffield
	2016 · 1st Place, BAE Systems Capture the Flag

LINKS

Github · <https://github.com/jamjar919?tab=repositories>
 Stack Overflow · <https://stackoverflow.com/users/2453542/james-paterson>
 LinkedIn · <https://www.linkedin.com/in/james-paterson-a0114023/>

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