

# JAMES PATERSON

## PERSONAL INFORMATION

*Born in England, 27 August 1997*

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## 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 platform. Highlights include:

- Fully implemented several new features in the sign up flow and took ownership for their progress and sign off.
- Worked further with React/Redux and gained valuable experience in extending a complex project. I also developed with enterprise Java to fully implement features on the front and back end.
- Learned to effectively write test cases for both frontend and backend features.
- Familiarised myself with a demanding daily release schedule and effective use of time management software (Jira) and production testing of completed features.

Reference: Edd NICHOLS [enichols@tripadvisor.com](mailto: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.

- Chose my own technology stack and was given autonomy in my tasks, becoming familiar with React and Redux as well as associated build tools like Webpack and NPM, as well as Git for source control.
- Successfully produced a working product which was demoed to a group of other interns and stakeholders within the company, showing the integration with the existing system.
- Achieved a rare 5/5 (Outstanding) internship review at the end of the process.

Reference: Paul KING [paul.king@baesystems.com](mailto:paul.king@baesystems.com)

*2014-2018* Web Developer, NEXTNORTH LTD.

*Nextnorth LTD*

I was responsible for the execution and orchestration of many web 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](mailto: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

## 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 <sub>A</sub> T <sub>E</sub> X, Apache, nginx

## 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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