

JAMES PATERSON

PERSONAL INFORMATION

Born in England, 27 August 1997

email james@mjsquare.com
website <http://www.thejamespaterson.com>
phone (M) 07908102754

PROFILE

20 year old student, currently placed at Durham 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

*BAE Systems
Applied
Intelligence*

Jun-Sep 2017 Software Engineering Intern, BAE SYSTEMS AI

I worked at BAE Systems AI for a 12 week summer placement in their London Waterloo office, living nearby. 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. Unfortunately, I cannot talk too much about the details of the app as I signed a non disclosure. I also achieved a rare 5/5 rating (Outstanding) in my end of Internship review.

Reference: Paul KING paul.king@baesystems.com

Nextnorth LTD

2014-Present Web Developer, NEXTNORTH LTD.

I am 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 using various technologies such as HTML, PHP and MySQL
- Adding new frontend and backend functionality to existing websites
- Rewriting older websites to conform to the HTML5 spec, observe best practices, and improving their display and aesthetics.
- Sitting in on client meetings to provide expert opinion and advice.

Reference: Andrew CLARK andrew@nextnorth.com

EDUCATION

2015-Present Durham University, Durham

Computer Science MEng, First Class (Year One & Two)

Current third year student at Durham University. I achieved a first class mark in my first and second years of study. I am currently working on a third year project where I will investigate the Graph Partitioning Problem.

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
 \(https://github.com/jamjar919?tab=repositories\)](https://github.com/jamjar919?tab=repositories)

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](#)

2015 WEA Essex, NEXTNORTH

I designed and built this heavily modified Wordpress website in the summer of 2015. The client required a site to manage WEA courses. I worked with the Wordpress API and backend, and also created my own private backend in PHP for the client to manage a course database, which I also designed. [Live site](#)

COMPUTER SKILLS

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

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/>

November 8, 2017