

Aakash Dadhich

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Currently a third year student studying Computer Science at University of Nottingham. Excellent verbal and written communication skills with strong self-discipline and able to handle responsibility. Seeking a graduate level role within the software industry, keen to develop technical and communicative skills.

Education

University of Nottingham: September 2016 – Present

- Studying for a BSc Computer Science degree
- Relevant modules include Distributed Systems, Operating Systems & Concurrency, Computer Systems and Architecture, Mobile Device Programming and will start Computer Security in Spring Semester 2019
- Completed a software development project within a diverse group as consultants for IBM creating a Virtual Reality fitness app using IBM Watson Voice Recognition System
- Experienced in using the agile methodology, running short sprints and meeting strict deadlines on a regular basis

Langley Grammar School: September 2009 - 2016

- A Levels in Computing (B), Mathematics (B) and Physics (C)
- AS Levels in Computing (A), Mathematics (B), Physics (C) and Psychology (C)
- 12 GCSE's all graded A* - C, including A in Maths and B in English
- Replicated the RSA public/private key encryption algorithm in Visual Basic for final A level project

Technical Skills

- Proficient in MS Office applications, Pascal and assembly code as part of the GCSE Computing and first year University curriculum
- Proficient in key programming languages such as C and Java through university
 - o Projects include JUnit testing, creating Android apps and making additions to an existing game in Java
 - o Simulating process and thread scheduling within a CPU in C
- Currently competent and continuing to learn C++ as well as Python and (Node) JavaScript independently
 - o Created a small adventure game using a modified SDL library in C++,
- Started self-teaching Kali Linux to learn the basics of penetration testing and network exploitation as these are interesting, yet future proof skills
- Replicated the RSA public/private key encryption algorithm in Visual Basic
- Recreated Battleships and created a short text-based adventure game in Pascal to aid my understanding of the language during GCSEs

Other

- Achieved a BTEC in Aviation with the Air Cadets
- Acquired a Heartstart First Aid qualification

Experience

Picsolve International at Legoland Windsor Resort, Retail Assistant, July to Sept 2018

- Adapting sales techniques to sell to a huge variety of customers to meet daily sales targets equal to thousands of £s
- Constantly representing the face of the company by interacting with customers in an extremely busy environment

Next Retail, Slough, Customer Sales Assistant & Stockroom Assistant, July to Sept 2017

- Managing hundreds of items of stock according to strict deadlines for an international company, and solving the large backlog of delivery items
- Created a new, more efficient system within my stockroom role to streamline workflow and help prevent future backlogs for current employees
- Developed an aptitude for dealing with complaints and spontaneous requests from customers, as well as following health & safety protocols

Royal Air Force Air Cadets, Slough, Jan 2013 to Sept 2016

- Demonstrated self-discipline and responsibility which led to the promotion from the Cadet rank to Sergeant
- Competed heavily against hundreds of other applicants to secure a short pilot scholarship programme
- Taught, mentored and led new cadets up to the high standards required by the military funded organisation
- Participation in various expeditions allowed me to expand the ability to adapt as an individual and within a team

Kumon Maths and English Centre

- Voluntary work teaching children maths skills. Worked with children aged 5-16

Interests and Hobbies

Currently learning Stage 1 Japanese in addition to my course at university

An online portfolio of my programming projects to date, complete with code and videos where appropriate, is under construction

Programming & Cyber Security

- Currently reading *Hacking: The Art of Exploitation* and *Black Hat Python*
- Independently learning Python and JavaScript as these scripting languages are very useful within the information security industry
- Gained access to and started to solve HackTheBox puzzles
- Part of Nottingham's technology scene, regularly attending events held by local companies which include speaker events on all tech related subjects, helping to learn about different uses of languages or concepts that I had not considered before
- Created a personal challenge to attend as many hackathons as possible during this academic year to learn new technologies, starting from Sept 2018
 - o Current count is 3: created a 'Discord Plays Dungeon Crawler' chat bot, and helped organise 2 more with HackSoc (HackNotts & MLH's Local Hack Day)
 - o Dungeon Crawler project visible on Github at <https://github.com/AakashDadhich/DiscordPlaysDungeonCrawler>
- Social Media & Communications Officer of the university's programming society HackSoc, in charge of promoting our events and creating relations within the local tech scene

Photography

- Run a car orientated blog with more than 1,700 followers
- Created the website FinestInLondon.com to showcase my work
- Portfolio has been featured on high traffic websites, including media giant CarThrottle
- Attending car shows has provided the opportunity to interview individuals from many different backgrounds, developing confidence to approach people and establish new relationships