Jake Learman

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Education

Academic Qualifications

University of Nottingham   **Nottingham**
BSc Hons Computer Science   *2016-2019*

Achieved a 1st in Programming & Algorithms, Maths for CS and Computer Fundamentals amongst other modules including Computer Security, C++ Programming and HCI.

Notable Projects

- **Optimising Solutions to The Enigma Machine**
  https://github.com/JakeLearman/OptimisingSolutionsToTheEngimaMachine

  The project I undertook for my dissertation made use of extensive functional programming in order to both simulate and brute force the Enigma machine. Having taken an extensive interest in Haskell during my time at university, its use in this project only made it more of a challenge.

- **Computer Generated Talks:**
  https://github.com/JakeLearman/ComputerGeneratedTalks

  This group project took place over the entirety of my second year; it consisted of tracking word trends from existing scientific papers and generating new papers based on those word trends. We built a simple parser using Java and by making use of Markov chains, were able to create a network of tex. This text could then be easily loaded into an pre-made latex template in order to create a semi-realistic scientific paper.

West Herts College   **Watford**
BTEC Extended Diploma in IT   *2014-2016*

Achieved a triple distinction* (highest possible grade) with a distinction in OOP, Server-side & Client-side scripting as well as completing Cisco CCNA1.

JFS School   **London**
11 GCSEs, A to C Including Maths and English.   *2009–2013*

Work Experience

The Entertainer   **Watford**
Customer Service Assistant   *October 2019 - Present*

Working at a retail store has greatly developed my communication and inter-personal skills. This job opportunity has given me a chance to enhance my ability to think on the spot and solve problems efficiently.

NJY Camps **Milford, PA**
Senior Counsellor *June 2019 - August 2019*

For my fourth summer at camp I was promoted to the role of senior counsellor. This was a significant role change as it meant I was partially responsible for the day-to-day routine of a group of 70-90 children as well as planning and scheduling activities for the whole of camp.

NJY Camps **Milford, PA**
Guitar Specialist/Counsellor *June 2016 - August 2018*

For the summers of 2016 to 2018 I was a guitar counsellor at Camp Nah-Jee-Wah. My main responsibilities included planning and teaching guitar lessons as well as ensuring the well-being of a group of children. This experience taught me a lot about working in a constantly changing environment as well as being able to plan for the inevitable.

Blink Productions / Framestore / The Mill **London**
Runner *August 2012 - July 2015*

During my summer breaks throughout secondary school, I undertook my work experience in several production companies. It was a great opportunity to marry my interest in film with the development and use of software.

Natpoint LTD **London**
IT Technician *August 2013*

My job and responsibilities included maintaining and updating computer systems across a range of different businesses. It helped me to understand how servers are structured and how companies utilise information technology in the day-to-day running of their businesses.

Skills

- **Programming Languages:** Proficient in: C, Java, Haskell, HTML, CSS and Javascript.
Also basic ability with: ARM Assembly, Actionscript, C++, C#, Lua, MatLab, MySQL, PHP, Python and VB.net.

- **Software Skills:** Microsoft Office (Advanced), Adobe Suite (Intermediate), Git (Intermediate), Eclipse (Intermediate), IntelliJ IDE Family (Intermediate) and Android Studio (Intermediate). Also have adept skills in various Linux Distributions including Ubuntu and Arch Linux.

Interests and extra-curricular activity

- **University of Nottingham Student Union Band Society**
During my time at university I joined the band society due to my passion for playing and writing music. While my main role involved getting musicians together to form bands as well as manage practice space, it also gave me the opportunity to start my own band and release some original music.