

# Jake Learman

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🌐 <https://jakelearman.github.io>

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## Education

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### Academic Qualifications.....

- **University Of Nottingham** **Nottingham**  
*BSc (Hons) Computer Science, Predicted 2:1* 2016-2019
- **West Herts College** **Watford**  
*BTEC Extended Diploma, D\*D\*D\* including D in OOP, Client/Server side Scripting* 2014-2016  
Also completed Cisco CCNA1
- **JFS School** **London**  
*11 GCSEs, A to C Including Maths and English* 2009-2013

### Notable Projects.....

- **3rd Year Project (Ongoing): 'Optimising Solutions to The Enigma Machine'**  
The aim of my dissertation project is an analysis of the Enigma machine and attempting to crack the encryption using modern cryptographic methods. As this project is an individual project it requires optimal planning and time-management skills. Furthermore it requires me to apply all my knowledge acquired at University so far in attempt to do build a a large and impressive project.
- **2nd year Group project: 'Computer Generated Talks'**  
*Github: <https://github.com/JakeLearman/ComputerGeneratedTalks>*  
This project took place over the entirety of my second year; it consisted of tracking word trends from existing scientific papers and generating new papers. I was elected team leader for the project due to my organisational and time-management skills. Overall, the project was a success and received an excellent reception at the presentation day.

## Work Experience

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- **NJY Camps** **Milford Pennsylvania**  
*Guitar Specialist/General Counsellor* June 2016 - August 2018  
My main responsibility was teaching guitar, which required intense amounts of planning and practising. I was also able to develop skills in group management and supervising as I was responsible for the well-being of a group of children aged 9-11 years. My problem-solving skills were also greatly advanced as I had to help schedule and run programs with limited resources and in a short time period.

- Blink Productions**

○ *Runner*

Blink Productions specialises in shooting advertisements for brands such as John Lewis, Nike and the Paralympics, as well as music videos. My responsibilities included ensuring the smooth running of shoots by providing equipment and services, which were needed on set, I was also responsible for keeping the work environment clean.

**London**

*July 2015*
- Framestore**

○ *Runner*

Working as a runner at Framestore gave a great insight in to the world of post-production and how software engineering and other forms of programming are used to solve a variety of creative problems. I was given an opportunity to script some python which controlled the movement of a generated avatar.

**London**

*July 2014*
- Natpoint LTD**

○ *IT Technician*

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.

**London**

*August 2013*
- The Mill**

○ *Runner*

Running gave me a great opportunity to work in a team with people I had not met before. I also had a chance to observe the work they do in the field of computer generating imaging and animation.

**London**

*August 2012*

## Technical and Personal skills

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- **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.
- **Professional 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.
- **Interpersonal Skills:** Excellent organisation and time management skills; Good communication and team skills.

## Interests and extra-curricular activity

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- During my time as a student at the University of Nottingham, I was elected to be the General Secretary of Band Society for 2 years. This job entails bringing like-minded people together to form bands and create music. I am also responsible for making weekly emails updating members with current events and news as well as booking rooms for events that we organise and host
- For several years I was a youth leader at Tribe, a Jewish youth organisation. I was involved in running a residential summer camp in Belgium for children aged 11-13. I had previously supervised a summer camp in Alton for children aged 10-11. I have also been a leader on several residential weekends-away for younger participants, as well as on national day-trips for all age groups.

- As a student at JFS, I was elected to assist in various open evenings held by the school for current and prospective students and parents. I also supervised the regularly student assemblies.
- Other interest including playing guitar(achieved Grade 7) and cinema. I also possess a full clean driving licence.