

SUMMARY

I am currently on track for a first class MEng in Computer Science at UCL. I have strong programming and problem solving skills and enjoy collaborating with others to build exciting things. I am hard working, punctual and reliable and undertake tasks with a keen attention to detail. I am always eager to learn new things with a hands on approach.

EDUCATION

MEng COMPUTER SCIENCE, UNIVERSITY COLLEGE LONDON *2012-2016* – 1st Class (Expected)

- Achieved a first class in every year so far
- Current average module score of **83%**

Prizes:

- Prize for best performance in programming modules in first year
- Sessional Prize for academic performance in first year
- Made the **Dean's List** for academic performance in third year

NORWICH SCHOOL *2005 – 2012*

A Levels: Maths (**A**), Physics (**A**), Chemistry (**A**)

AS Levels: Further Maths (**A**), Graphic Design (**A**)

GCSEs: **10 A*s** including English, Maths and Sciences

EMPLOYMENT HISTORY

BACK-END DEVELOPER, Createpose *Feb. 2015 - Present*

I worked on porting the company's Django application to a new hosting platform and am in charge of all aspects of the deployment, from server administration to database management. I work on maintaining and enhancing the codebase I inherited and add features required by clients.

RESEARCH INTERNSHIP, Dessimoz Lab, UCL *Summer, 2015*

Developed a state of the art visualisation tool called Phylo.io to allow biologists to visualise and compare large gene trees in web browsers. The tool was built using D3js and implements a number of novel optimisations I devised that make it faster than any existing browser based tool for this task.

RESEARCH INTERNSHIP, UCL *Summer, 2014*

Worked on a JavaScript API to abstract away complex code needed to create web-based applications for a state of the art multi-tablet interaction system. Also worked on creating data visualisations with D3js for use in community workshops in London.

SET UP AND RAN OWN DESIGN COMPANY *2009-2012*

I designed a website from scratch to advertise my services and developed good organisational and communication skills designing logos for paying clients.

TECHNICAL SKILLS

- *Languages*
 - Proficient in **JavaScript** and **Python**
 - Extensive experience with **C**, **Java**, **HTML**, **CSS**, **SQL**
 - Some experience with **Assembly**, **Haskell**.
 - Strong understanding of programming fundamentals means I can pick up any language extremely quickly.
- *Systems*
 - Extremely comfortable using the UNIX command line
 - Proficient in use of both OSX and Windows.

- *Databases*
 - Experience with creating and managing systems using both **SQL** (Postgres, MySQL) and **NoSQL** (MongoDB).
- *Frameworks*
 - Proficient in the fundamentals of web architecture
 - Professional experience with **Django**
 - Experience in designing and building web applications with the **MEAN Stack** (Mongo, ExpressJS, AngularJS, NodeJS)
 - Experience with building applications and packages with **MeteorJS**
 - Experience in development for embedded hardware using **ContikiOS**
 - Experience building basic mobile applications for **Android**
- *Tools*
 - Proficient in version control with **Git**
 - Working knowledge of **SVN**.
 - Also familiar with popular build tools such as **Make, Ant** and **Maven**
 - Familiarity with the concepts of basic unit testing tools

GENERAL SKILLS

Teamwork – At Createpose I work with a front end developer to fulfil the wishes of our client. Worked in teams on several academic projects including a module where we programmed a robot together and achieved a mark of 99%.

Leadership Led groups in several projects including designing and building an internet connected sensor system, analysis and visualisation of Barclay's cycle hire data and performing research into anomaly detection techniques to build a server health monitoring platform. In every case delivering a successful final product.

Programming Ability – Received prize in first year for best performance in programming modules. Competent in a vast array of languages and able to pick up new languages quickly. Proven ability to learn new skills as I work.

Driving – Full, clean UK driver's licence.

HOBBIES

Producer and promoter of electronic music - I produce electronic music for an Internet label. I manage all aspects of my work from conception and production to release and promotion of my work.