

# WILLIAM MAYOR

FULL-STACK WEB ENGINEER, SYSTEMS ADMINISTRATOR

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## Technical

Python	HTML / CSS / Javascript	Git
PostgreSQL / MySQL	Knockout.js / jQuery / Underscore.js	SASS / Bourbon / Neat
LaTeX	OS X / Linux	Heroku

## Profile

I'm a code monkey at heart; I love building solutions. I am a usability enthusiast, lots of my work at Diversity and Ability focusses around making software and the web accessible and usable. I also enjoy exploring and playing with data. My MRes and MPhil research looked at distributed, peer-to-peer networks with millions of nodes, exploring that data space was a fantastic challenge. In my spare time I like to code, I also enjoy wood turning, cooking, and the occasional video game.

## Experience

**UCL Media Institute 2014**  
Software Engineer

I built a cross-collection, concept-based search engine for media assets. The beta version can be accessed here: [median.herokuapp.com](http://median.herokuapp.com).

**Diversity and Ability 2009 to present**  
Systems Administrator, Web Developer

I setup, run, and maintain the Google Apps for Business provision for Diversity and Ability. I also work as their sole web developer; rebuilding their entire web ecosystem.

**Freelance 2009 to present**  
Software Engineer, Web Developer

I have built many websites and software projects. Details of some can be found on my [GitHub page](#).

**MRes Dissertation 2012**  
Researcher

I worked on improving the reliability of the BitTorrent protocol by fully decentralising the peer discovery mechanisms. Paper published in [IEEE P2P2013](#).

**BSc Dissertation 2011**  
Software Engineer

I built a collaborative, real-time, cloud-based IDE using Google Wave technology.

## Education

**MPhil Crime and Security Science 2012 to present**  
University College London, UK

**MRes Crime and Security Science 2011 to 2012**  
University College London, UK

**BSc Computer Science 2008 to 2011**  
University College London, UK

## References

**Ingemar Cox** *Director of Research*  
Computer Science Department, University College London

**Atif Choudhury** *CEO*  
Diversity and Ability

For privacy reasons, contact details are available on request. Public profiles are available: [Ingemar](#), [Atif](#)