

Preeya Joshi

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CV: <http://preeya.me/cv.pdf>

Employment

Imperial College London, Undergraduate Teaching Assistant – Sept 2014-Present

- Personal Programming Tutor for 1st year undergraduate students teaching Haskell, Java and C.
- I am responsible for taking tutorials and mark programming coursework.

Google, Software Engineer Intern – June 2014-Sept2014

- Worked on a team developing an advanced recommendation engine in Google TV Search.
- Used the Glass GDK, Android SDK and Java to create a Google Glass front end and GWT to create a web front end.
- I also created several backend components using Java, GWT RPC and internal file systems.
- Gained experience in comprehensive functional and unit testing.

University of London Air Squadron, Officer Cadet – Sept 2013-Present

- Member of Adventurous training committee. Organise courses and handle accompanying military paperwork. Have previously helped with parachuting courses and white water canoe/kayak expeditions.
- System admin for website and currently automating our flight booking and progress system .

Selex ES, Software Engineer Intern - July 2013-Oct 2013

- Created an augmented reality user interface to allow dynamic configuration of devices.
- I reversed engineered ZBar, an open source C library, to recognise modified QR codes.
- I implemented a Java backend to let devices broadcast their capabilities and interact through a zookeeper server node. This used Apache CXF distributed OSGI and the Apache Felix Framework.
- Developed a responsive GTK GUI to augment a camera feed with device properties embedded in the QR codes.

Projects

Explore Earth Visualisation - <http://exploreearth.preeya.me>

A beautiful visualisation of images from <http://reddit.com/r/earthporn>. Built using Python, Django and WebGLEarth.

Wittl - <http://wittl.it>

A realtime collaborative comparison site to compare “objects” on user preferences (wittls). The service takes a list of objects, applies ‘wittls’ to them and ranks them accordingly. Developed using Django and AngularJS it currently supports Airbnb, Autotrader and Zoopler.

Clan Test - <http://clan.preeya.me>

The CLAN test is a military test designed to assess multi tasking skills. I created a game based upon it to, to allow applicants to practice and for others to give it a try.

Education

Imperial College London – Computing MEng 2012- 2016

Achievements

- Queens Golden Jubilee Scholar, Grocer's Company 2012-2016
- Imperial Scholarship Athlete 2012-2106
- 1st place Facebook UK Universities Hackathon 2013
- 1st place UCL FindS Hackin' the City Hackathon 2013
- Gold medal in Sparring, BSTF Student Taekwondo Nationals 2014
- Selected for Lloyds Register Engineering Experience (one of six in the UK) 2011
- UK finalist, National Science and Engineering Competition 2011
- Young Engineers Regional Winner for Product Development and Marketability 2011