

Daniel Karaj

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Education

- 2013 - 16 **University of Cambridge, Christ's College**
Computer Science BA - 2:1
- 2006 - 13 **Sutton Grammar School for Boys**
A-Level: Mathematics - A*, Further Mathematics - A, Physics - A, Computing - A, Art - A

Work Experience

- 2016 - 19 **Google Software Engineer**
Worked on Google Calendar Web as part of the Apps team, primarily front-end development. Launched a very successful refresh of the web interface focused on improving UX. Extensive work on improving Calendar accessibility and frameworks to protect user data. Led meetings and discussions about the produce with Product Managers and Designers.
- 2015 **Yelp Software Engineering Intern**
Worked on the team that owned "yelp.com" coding in python and javascript. Introduced a new navigation model to the UI to help the user browse businesses.
- 2014 **Bank of America Merrill Lynch Summer Insight Week**
- 2014 **TechCamp UK Teaching and care of children aged 8 – 17**
Tutoring of game design and creation to students of vastly varying abilities and experience.
- 2010 - 14 **Freelance graphic designer**
Assorted graphic design work in a variety of mediums for a variety of clients. Primary focused on image editing and creation of both on and off screen media using Photoshop and InDesign for clients in Music and Events industries.
- 2010 - 13 **Freelance web development**
Assorted web design work for smaller clients, focused on building easily maintainable and simple websites either through static site generation or using WordPress as a CMS. Clients included Sutton Association for the Blind whose client often rely on screen readers.

Other Experience

- 2015 - 16 **Part II Individual Project**
Built a MirageOS webserver to store and process transport data in proto binary wire format. Wrote an SQL query parser to perform selections of the data to form an API. Evaluated use and performance of unikernels for Internet of Things applications.
- 2015 - 16 **Ticketing and Webmaster for Christ's College May Ball**
Creation of custom ticketing website and entry system using NFC card readers for entry. Member of committee organising a 1500 person event with a large budget.
- 2014 - 15 **Lighting Designer at the ADC Theatre**
Planned and constructed lighting rigs for 250 capacity theatre including the lights for their biggest show of the year - a two week run of the Footlights pantomime.
- 2015 **Camera and Sound Assistance and Still Photography for "Tide" Film**
Performed various roles production roles in the creation of "Tide" a student film.
- 2015 **Project Manager for Part IB Group Project**
Winner of best professional project - a webpage to summarise videos into 2 second clips. Organisation and coordination of a team around lectures and other commitments. Built using Node.js, mongoDB and OpenCV for a client with regular feedback meetings.
- 2013 - 15 **Websites for various university societies**
Creation and maintenance of a number of society websites with a focus on easy handover and maintenance as sites were passed on to students joining the university. Societies included the Cambridge Union, TEDxCambridgeUniversity and Christ's Boat Club.
- 2013 **Greenhouse data view and analysis**
Web app for viewing data collected from greenhouses with growing suggestions. All interaction through a dynamic web page built on MySQL, PHP and VB.Net

Skills

Languages: Python, Java, OCaml, ML, HTML, CSS, JavaScript, ActionScript

Applications: Adobe Photoshop, Lightroom, Flash, InDesign, Illustrator

Media: Photography, Lighting Design, Painting in Oil and Watercolour, Drawing

Interests, Activities and Achievements

Received numerous awards for art and painting whilst at school, with work displayed at The Mall Gallery, London as part of The RBA's National Students' Art Exhibition.

Have continued to maintain an interest in photography and drawing (*see krj.io for a gallery of my work*).

Regularly attend technology and design events and talks to stay up to date with the latest developments and news concerning the Internet, software and devices and how they have affected various industries.

Played University level Mixed Lacrosse as well as participating in Rowing and Ultimate on a college level.

Took part in numerous clubs during High School including RAF Cadets where I led and worked with teams of students as well as performed solo flight of a Grob G109 light aircraft.