Oliver Wilkie

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Education

2009 - 2013	**MEng Computing First Class Honors**, *Imperial College London*.
	Passed all 4 years at first-class honours standard
	Main Areas of Interest: Software Engineering, Machine Learning, Computer Vision, Statistical Inference
Individual Project:	Motion Stabilisation for Dynamic Medical Image Sequences
	Awarded Distinguished Project
2000 - 2009	**A Levels**, *Royal Grammar School Worcester*.
	Mathematics: A, Further Mathematics: A, Biology: A, Chemistry: A

Experience

Autumn 2013	**Software Engineer**, *Ovida Development*, London, UK.
	Began a software development partnership with fellow engineer David Haber working on a variety of projects in Java and PHP for clients from private sectors and universities.
Summer 2013	**OpenCV Developer**, *Google Summer of Code*, London, UK.
	Developed an optimised markerless augmented reality Android application for OpenCV (the popular open-source computer vision library). Wrote code in Java and C++. Reported to my mentor within the OpenCV organisation based in Russia. The project was made possible by a stipend awarded by Google.
Summer 2012	**Software Engineer Intern**, *Amadeus Group*, London, UK & Nice, France.
	Designed and implemented a full-blown touchscreen self-service kiosk product for airline halls. I was responsible for business analysis, product design and engineering the end product. The project required me to be very customer focused. This placement lasted six months and was a requirement of the MEng Computing course.
Summer 2011	**Software Engineer Intern**, *AKQA*, London,UK.
	Built from scratch an in-house web application tool using the Java Spring framework before joining the dedicated Nike development team working on replacing Nike.com's content management system. Gained first-hand experience of working efficiently with a team of engineers distributed amongst Europe and the US. Used agile development methods on a daily basis. I was responsible for technical design, implementation and testing. Gained experience of writing, testing and deploying code into large codebases.
June - August 2011	**Software Engineer**, *FISH Digital Forensics Ltd.*
	Employed after exams to rapidly produce two proof-of-concept Android and Blackberry apps to interface with FISH Digital's flagship forensics system that were demonstrated to policing forces in the UK and US.
Summer 2010	**Creative Technologist Intern**, *18 Feet & Rising Creative Agency*, London,UK.
	Developed novel advertising campaigns with a special focus on utilising technology to emphasise and enforce main campaign objectives for each client. I was a member of the small team that won the Selfridge's account worth £2million. I wrote and presented reports to senior partners on a frequent basis.

2010 - 2012	**Head of Technology**, *ICRadio*, Imperial College London. Appointed head of technology at Imperial College's student-run internet radio station for two consecutive years. Built from scratch tools and components to help produce quality shows and recordings. Maintained and enhanced both ICRadio.com and the internal members-only web interface that allowed show presenters to manage their show's sites, playlists and recordings. Gained *invaluable* experience with databases, python websites, PHP scripting and the linux infrastructure.

Technical Experience

Proficiencies

languages	Java, C++, PHP, SQL, Python, JavaScript, Matlab, HTML5, CSS3
technologies	Linux, OSX, Windows, AWS, Heroku, Django, Spring, Android SDK, OpenCV, Qt, Eclipse, Git, Vim, LaTeX

Experience with

languages	C, Prolog, Groovy
technologies	Drupal CMS, Apache, Tomcat, JQuery, JSON, Adobe Creative Suite

Relevant Courses

computer science	Software Engineering Design, Machine Learning, Statistics, Algorithms, Logic, Operating Systems, Advanced Databases, Networks and Communications, Graphics, Computer Vision, Software Reliability
business	Entrepreneurship, Management and Business for Computing Engineers
humanities	French (proficient)
transcript	Available upon request

Honors

university	Distinguished Project Award for Individual Project
	David Howarth Group Project Prize for 3rd Year Group Project
	Union Colours for contribution to ICRadio
school	Industrial Scholarship
	Deputy Head Boy
	School Colours for achievement in Rowing
	Duke of Edinburgh Gold Award

Activities

2012 - 2013	**Marathon Running**. Ran the London Marathon in under 4 hours, raising £1500 for my local hospice.
2010 - 2013	**Swim Team**, *Imperial College*. Besides competing, I have served the club as land training coordinator and as social secretary.
2006 - 2009	**Mens VIII Rowing Squad**, *Pullinger Boat Club*. Rowed in the men's eight boat in a variety of regattas and heads across the UK. Our most notable performance was advancing to the third round of the Henley Royal Regatta for which I received school colours.
	Other Current Hobbies. In my spare time I enjoy mountain hiking, backpacking, reading, practising the piano, learning graphics and participating in Kaggle data challenges.

References

Professor Daniel Rueckert, *Individual Project Supervisor.*
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Professor Francesca Toni, *Third Year Group Project Supervisor.*
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See `www.linkedin.com/in/owilkie` for references from employers

Other references available upon request