



# Daniel Lemon

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**Objective:** Position as a junior technical software developer within an enthusiastic development team.

## Personal Profile

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- Enthusiastic outgoing undergraduate with a determined outlook on enhancing software development projects by utilizing **agile methodologies** with a keen interest in open-source projects; currently studying Computer Science BSc (Hons) at Brunel University.
- Currently investigating how educational gaming can be used as a channel of communication between international physics organisations (i.e. CERN) and A-level physics students through an **open-source android game**.
- Actively participating in various programming related meet-up groups and attending numerous events as well as conferences. First undergraduate to be invited as an **assistant organizer** for the Graduate Developer Community.

## Key Skills

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### Technical

- **Java** (intermediate): Currently building my final year project as a educational android game. Built an open-source GUI based XML-editor based on an older tool; **re-engineered** it to produce PLC (Programmable Logic Controller) code over an NFS network as well as implemented other features like a custom file lock system for my project in CERN. Produced **open-source modifications** for Call of Duty 4 (PC) within a team of 4; I ensured everything was packed together for regular monthly releases.
- **C++** (beginner): Built a simple command line program to analyse different mathematical functions. Completed some **Project Euler** problems in C++.
- **Javascript** (beginner): Currently participating in **Code Year** by completing a new set of Javascript courses each week for a full year.
- **L<sup>A</sup>T<sub>E</sub>X** (intermediate): Completed University coursework reports in L<sup>A</sup>T<sub>E</sub>X as well as this CV and my business cards.
- **Others:** Drupal, HTML5, CSS3, PHP, Prolog, SQL (MySQL), jQuery.
- **Agile:** Experienced use of issue and bug tracking software such as **JIRA**, actively seek to develop by iterative prototyping, break-down tasks into weekly Sprints (Scrum) and follow the Agile Manifesto.
- **Tools:** Eclipse, Android SDK, Netbeans, Git, Subversion, ant, Maven, JUnit, cron.
- **Operating Systems:** Windows XP/7 and Windows Server 2003, Linux (Ubuntu, Scientific Linux CERN 5, and Redhat).

**Languages:**      **English** (native)      **French** (intermediate; fluent)      **Bulgarian** (beginner; can read and write Cyrillic)

## Education

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Sep '08 - Jun '12      **Computer Science BSc, Brunel University** (*predicted 1st class*)      London, England  
Built a GUI based Java tool to demonstrate and visually compare different sort algorithms. Built a command line game in Java to demonstrate object orientation.

Key modules: **Artificial Intelligence, Software Engineering**, Software Project Management, Advanced Topics in Computer Science, Computation, Algorithms & Implementation.

Sep '07 - Jun '08      **Foundations of Information Technology, Brunel University**      London, England  
Built a command line tool to demonstrate different mathematical functions in C++.

Sep '99 - Jun '06      **Canon Palmer Catholic School**      London, England  
Graduated with Advanced Level certificates in: **Information Communication Technology** (C), **Mathematics** (D) and **Physics** (E), including AS-Level in **Business Studies** (C).  
Achieved 10 GCSE's between A to C grades including high grades in: Mathematics, Science, Business Studies, English and Computing.

## Industrial Placement

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Jun '10 - Jul '11      **Technical Student, CERN**      Geneva, Switzerland

- I was involved with designing, building and implementing a working **GUI-based XML-Editor** that produced PLC (Programmable Logic Controller) code and utilizes the NFS network for storage. It was a large project and is used to help the engineers produce PLC code in a shorter period of time without needing expert knowledge of a PLC.
- Extensive use of Agile methodology; development progression via **iterative prototyping**, continuously code refactoring and also implemented some features of Scrum such as a weekly sprint of tasks to-do, tasks currently being done and completed tasks.
- Included development work in Java, XML and Python; as well as integrating ant build scripts and updating the code-base under, subversion, a version control system.
- I worked with my supervisor on my project building and developing for many different clients who would request feature changes and submit bug reports via **JIRA**. I also worked alongside many French speaking employees and took two French learning courses to increase my personal knowledge of the language.

- Parallel to building my project, I helped out with the running of social events for students under 30 years old. Each month I would organise a **networking** event for new arrivals to CERN and invite everyone so that the new people would easily integrate with others.
- CERN offers every employee the chance to expand their knowledge on any platform domain so I found it easy to educate myself about XML, XPATH, Python, and Agile development.

## Employment

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Apr '10 - May '10	<b>Freelancer, Mikamai</b>	London, England
Updating the company's website to include a new portfolio layout using an open-source CMS (content management system) platform. I was also tasked with updating the Wordpress blog layout and implementing Facebook as well as managing the Facebook page to increase brand awareness.		
Sep '09 - Dec '09	<b>Freelancer, Diffiniti</b>	London, England
Working with a team of people who specialise in Search Engine Optimization (SEO) for various large clients. My work involved submitting client information to on-line directories, clients involved: Sky and AutoTrader.		
Nov '06 - Aug '07	<b>Busser, The Old Spaghetti Factory</b>	Whistler, BC, Canada
Clearing and resetting tables as fast as possible to ensure a quick turnover of customers to the restaurant.		
Nov '06 - Jul '07	<b>Sandwich Artist, Subway</b>	Whistler, BC, Canada
Constructing professional looking sandwiches to a customers' expectation with a high level of cleanliness.		

## Volunteer Experience

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Aug '11 - Aug '11	<b>Global Hope Network Short Term Team</b>	Dire Dawa, Ethiopia, Africa
Spent a week volunteering with some of the world's poorest. Involved working with building communities between 3 different villages by organising football matches and creating dialogue with the village elders.		
Oct '06 - May '07	<b>Whistler Village Host</b>	Whistler, BC, Canada
Providing way finding assistance to visitors as well as information and history of the village.		
Oct '06 - Dec '06	<b>Maurice Young Millennium Place</b>	Whistler, BC, Canada
Verifying event tickets on the door as well as helping to set-up or dismantle the theatre stage.		
Nov '06 - Dec '06	<b>Whistler Film Festival</b>	Whistler, BC, Canada
Interviewed people and conducted surveys around the village to record peoples' feelings of the festival.		

## Interests & Activities

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- **Young @ CERN & Technical Student Social Organizer.** Organised and managed monthly social events for the students working in CERN. This helped to build a community between the students & improved social interactions.
- Participated in **Start-up Weekend Geneva 2010**, where my team aimed at creating a fashion company by re-using unsold products from large clothing distributors and **Start-up Weekend Lausanne 2011**, where my team aimed at building a geo-localisation application focused on providing local shopping deals. The Start-up Weekend events focus on building a start-up company from idea to demo over a 56-hour period in one weekend.
- **Assistant Organizer for the Graduate Developer Community**, I help create and schedule new events with the other organizers. Attended various events including an introduction to using Agile methodology.
- Member of the **London Java Community**, where I have attended various different events. I am also a member of several other meet-up groups such as: London Android Group, PHP London Group and Facebook Developers Garage London.
- Attended DroidCon 2011, an **Android developers conference**, TEDxGeneva 2011, LiFT 2011, and participated in open-source start-up events aimed at teaching students how to get started with an open-source project: from how to commit changes; to forking for building new features.
- Avid **snowboarder**, member of the Brunel Snow Club and past member of the CERN Ski Club.
- Thoroughly enjoy **travelling**; spent a year in Whistler, Canada and another year in France; snowboarded in Slovakia, France, Italy, Switzerland; visited Spain, Bulgaria, America, Ethiopia, and Kenya.

## References

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Available on request