

# Louis de Beaumont

Imperial College London  
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## Interests

Network Security; Mobile and Web-based software development; Music Technology

## Technical Experience

### 3rd Rock

**July 2016 - to date**

*Founding member of 3rd Rock and Mimi - a mobile application targeted at millennials in the world of finance.*

- Setting up chat database and authentication using Ruby on Rails server
- Developed complex and scalable iOS application
- Documenting and testing code with continuous integration
- Management of tasks on Trello and GitHub
- NLP and bot development still in progress

### Imperial College London

**May 2016 - June 2016**

*Anvil, 2nd Year Group Project.*

- Developed iOS and OS X application to allow a mobile device to be used as a video game controller
- Developed interface to build customisable controllers
- Amending design as required based on feedback following interviews with users
- Achieved 5th place for Anvils user experience
- Explored and developed with Bluetooth technologies
- Built an experimental Chrome application to assist with Anvil working on multiple operating systems

### Hamlyn Centre, Imperial College London

**July 2014**

*Student outreach programme for robotic surgery.*

- Carried out a number of tasks to prototype a robot to perform injections
- Background research and investigation
- Use of CAD software to develop the concept
- Delivered solution using a robot built with the Lego Mindstorms kit
- Presentation of project to departmental staff and PhD students

**Private Customer** **November 2013 - April 2014**

*OpenGL 3D Vector Visualisation Software Developer*

- Produced software to be used in the classroom for A level Mathematics students
- Developed 3D anaglyph capabilities
- Part of A2 Computing module
- On-going meetings with client to ensure perfect development top grade received

**European Space Agency** **November 2012 - June 2013**

*Lead electrician for St Paul's School's CanSat team*

- Team worker developing a research probe, the size of a soda can
- Successfully created a deployable, self navigating quadcopter
- Launched probe in the Netherlands and came 3rd in CanSat competition
- Presentation at York University following the competition

**Self Employed** **January 2012 - to date**

*Web development. Examples available on [louisdeb.github.io](http://louisdeb.github.io)*

## Education

MEng in Computing, *Imperial College London* 2014 - Current  
2:1 Predicted Grade

*St Paul's School, London* 2009 - 2014  
A Levels: Mathematics (A\*), Further Mathematics (A\*), Computing (A\*), Physics (A)  
AS Levels: Chemistry (A)

## Computer Skills

Programming Languages: Swift, Java, C++, C#  
Familiar With: Objective-C, Haskell, SQL, C, Ruby, Intel x86-64 Assembly  
Web Programming: HTML5, CSS3, Javascript, JQuery  
Version Control: Git

## Awards and Honours

Gluckstein Prize for outstanding work in Computing, *St Paul's School*. 2014  
Senior Academic Scholarship for work throughout Year 12 and AS level results, *St Paul's School*. 2013  
Bronze Medal in ESAs Advanced CanSat competition out of 7 qualifying teams. 2013  
David H Newton Memorial Prize for Mathematics, *St Paul's School*. 2012

## Hobbies

Folk musician - taking inspiration from the 1960's London folk scene, and currently gig at various folk clubs around London. I have been a member of two gigging bands in the past, one of which played regularly at the Troubadour.  
I have spent time modifying the original Gameboys, enabling them for music production.