

Ioannis Gabrielides

Coach House, Furze Field Chase, Dormans Park, East Grinstead, West Sussex, RH19 2LY

+44(0)7503560023 ioannis.gabrielid.es ioannisgabrielides@gmail.com

Third year Imperial College student with a practical approach to problem solving, who enjoys analysing problems and developing solutions.

Education:

2015 – 2019 Imperial College London – MEng Computing

- Completed 1st and 2nd year with combined average of 77% - first-class honours.

2013 – 2015 Imberhorne School Sixth Form, East Grinstead – A-Level

- Maths - A*, Further Maths - A, Physics - A, Chemistry - A, Extended Project Qualification - A.

2011 – 2013 Imberhorne School, East Grinstead – GCSE

- Maths, Physics, Chemistry - A*; English Literature, Drama, Electronic Products, English Language, Biology - A; History, French, Short Course RE - B.
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Awards: 2nd March 2016: Awarded the Morgan Stanley IT prize for 'Outstanding achievement'

Employment history:

Jul 2017 – Sep 2017 Internet Services Developer, Netcraft, Bath

- Project based work, coded in Perl, focused around fetching and blocking phishing.
- Developed an automated system to create country specific HTTP Accept-Language headers based on fetch location.
- Improved the performance of the phishing detection system by reducing the number of noisy urls reported.
- Setup a system using Docker containers and Raspberry Pis to proxy requests through different countries to evade phisher's access controls.

Jul 2016 – Sep 2016 Cyber Insiders Summer School, Cheltenham

- Enrolled on a 10-week Cyber Security course hosted by QA.
- Covered areas such as: Cyber Defence, Low Level OS, Secure Coding, Malware development, Reverse Engineering of code, and Ethical Penetration Hacking.

Aug 2014; Aug 2015 Grounds Team, Oathall Community College

Sep 2013 – Apr 2014 Class Assistant Kumon

Group Projects:

- **LifePlanr** Android app which plans custom events, around your calendar, so you can achieve your goals. Written in Java.
- **PintOS** Coded an OS, handling threads, user programs and virtual memory. Written in C.
- **WACC** Built a compiler for the WACC programming language, which compiled to ARM instructions. Written in Java, using ANTLR framework.
- **Kankan** A web app project based on putting a Kanban board online. Using AngularJS, Node and Bootstrap.
- **ARM11 Assembler and Emulator:** Created an assembler and emulator for a reduced version of the ARM11 instruction set.
- **Laser target range game:** Built a laser target range game using a bare metal Raspberry Pi, electronic components and ARM assembly.
- **IC Hack '17:** Created an app that creates an audio clip of the text you have composed, by stitching together sound clips from popular songs.
- **IC Hack '16:** Created an app which uses your earliest event and its location to set your morning alarm.

Individual Projects:

- **PingMe** Chrome extension that alerts you when website, that was previously unavailable, comes back online.
 - Created job distribution networks using two Raspberry Pi's acting as control and management servers, written in Java.
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Professional Development:

- **2016-2017** Microsoft Student Partner – Proficient in Azure technologies, passed on skills to others.
 - **Nov 2015** Machine Learning workshop, run by EF – Experience with Random Forests and KNN classification.
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Other Interests: Tabletop Gaming Society (Web Editor), Go (Game), Walking, Amateur Photography

References: Available on request.