

Christopher Gunadi

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Education

Imperial College London

MENG COMPUTING

London, UK

September 2017 - Present

- **First year:** First class (76.0% average) | **Second year:** First class (77.4% average)
- **Extracurricular:** Active member of Robotics society, Badminton society and Indonesian society

Concord College

A LEVEL

Shrewsbury, UK

September 2015 - June 2017

- **4A*s, 1 distinction:** Maths, Further Maths, Physics, Economics, AEA Maths

Singapore School PIK

IGCSE

Jakarta, Indonesia

July 2006 - June 2015

- **10A*s** | Highest mark in Indonesia (IGCSE Extended Mathematics) | First place overall in 2014, 2015

Experience

Imperial College London

UNDERGRADUATE TEACHING ASSISTANT

London, UK

September 2019 - Present

- Invited by department on basis of exam results to run weekly small-group tutorials for 1st year students.
- Teaching key programming concepts through grading and giving constructive feedback on Haskell and Java exercises.

Google

SOFTWARE ENGINEER (STEP) INTERN

Munich, Germany

July 2019 - September 2019

- Worked in the Chrome Enterprise team to improve management of the Linux container in Chrome OS devices.
- Implemented a policy to control whether users can install their own Debian package in the Linux container.
- Created a mechanism for managing software packages in the Linux container to allow admins to configure what Linux applications are available on the Chromebooks that they manage.

Projects

Cinect

May 2019 - June 2019

- Created a cross-platform mobile application to help simplify finding movies to watch with friends and/or family.
- Built with React Native, Django REST framework and PostgreSQL with an emphasis on human-centred design, and rapid iteration (vertical slice development) based on consumer feedback.

WACC Compiler

January 2019 - March 2019

- Created compiler for a simple While-like language with Java, using ANTLR as parser generator with grammar written in EBNF.
- Implemented syntax and semantic checking with error reporting, and code generator that outputs ARM11 assembly.

#Plan (Facebook Hack-a-Project)

October 2018 - November 2018

- Created a mobile personal planning app that helps organise your day and adds events to your calendar.
- Built with React Native and Firebase.

ARM Group Project

May 2018 - June 2018

- Developed an ARM emulator and assembler from scratch using C.
- As an extension, we created an interactive musical keyboard for the Raspberry Pi using LEDs, buttons and a GUI to help beginners learn piano and practice simple melodies.

Skills

Programming Languages Java, C++, C, JavaScript, Python, Haskell

Tools and Technologies Git, React Native, Django, SQL, Ansible, Docker, ANTLR, HTML5 & CSS3, Linux, MacOS

Languages English (fluent), Indonesian (fluent), Chinese (intermediate), Japanese (basic)

Volunteering

UNICEF Volunteer

January 2017 - September 2017

- Fundraised £500 and ran the Royal Parks Half Marathon to support UNICEF's mission.