

MAURICE YAP

07950 965272 ◊ maurice.yap15@imperial.ac.uk ◊ linkedin.mauriceyap.co.uk

Second year Computer Science student at Imperial College seeking a software engineering summer internship between July and September 2017 inclusive. My long-term aim is to join an ethically-cultured firm in a role that supports social and economic development.

EDUCATION

Imperial College London

October 2015 - June 2018

BEng Computing

Year One: Second-class honours, upper division (2:1)

Extracurricular: German Level 3, Politics

Societies: DoCSoc (Department of Computing), Christian Union, Jazz and Rock, ABACUS, Engineers Without Borders

Peter Symonds Sixth Form College, Winchester

September 2013 - June 2015 (*exp.*)

A-level Mathematics - A*

A-level Music - A*

A-level Further Mathematics - A*

A-level Physics - A

Extended Project (Cyberwarfare) - A*

Wyvern College, Eastleigh

September 2013 - June 2015

GCSEs - 12 A*s and 1 A

FSMQ (Advanced Mathematics) - A

PROJECTS

SmartSplit

Java

Individual project

github.com/mauriceyap/smartsplit

- Tool and algorithm to satisfy debts within a group of people in the most efficient way possible.

Enigma Machine Emulator

C++

Individual project

- Simulator of the German World War 2 cipher machine, including a configurable plugboard and rotors.

Banana Beats

C, Python and physical electronics

Group project

- Raspberry Pi program with GUI which turns bananas connected to the device into a musical keyboard with selectable sounds and a live note display.

ARM Processor Emulator and Assembler

C and ARM Assembly

Group project

- Simulator of the execution of an ARM binary file and a translator from assembly into machine code.

Alpaca: A community based approach to playlisting

Java and Python (Django)

Group hackathon creation (IC Hack '16)

devpost.com/software/alpaca-7wuj9b

- Android app which allows event attendees to up- and down-vote songs, while a web interface displays live graphs and statistics to the DJ based on live voting and attendees' body movements.

EXPERIENCE

Fire Tech Camp

July 2016 - present

Coding and Technology Instructor

London and Reading

- Delivering after-school classes and school holiday week-long courses
- Courses delivered: Java, Digital Music Production with Ableton Live, Video Game Design

Wyvern College

July 2016

Technical Team Leader

Eastleigh, Hampshire

- Led the technical team (sound, lighting, stage management) for the school's biennial Arts Festival.

AWARDS AND ACHIEVEMENTS

Sutton Trust Summer School Programme

August 2014

The Sutton Trust and University of Cambridge

- Selected after a very competitive application process to take part in a week-long Computer Science course at Cambridge University. Created a group lab project, participated in seminars and attended lectures.

Blatchford Cup

November 2013

Wyvern College

- Leavers' award for the best overall academic attainment in my year group of 270 at GCSE level.

Annual Awards

November 2013

Wyvern College

- GCSE subject excellence awards for English Language, Music and Product Design.

Rotary Club Youth Leadership Award

July 2013

Rotary Club (Wessex District 1110)

- Provided with the opportunity to attend two residential camps to enhance my leadership and teamworking skills.

Amazing People Award - STEMIT

May 2012

Solent Education Business Partnership

- Presented this award for winning the 2012 NDS Red Button Challenge, a half-year group competition between 12 teams from schools in the local area, to design and pitch a TV-based digital application.

COMPUTER LANGUAGES

Advanced

Java

Intermediate

C++, Python, Haskell, HTML, CSS, \LaTeX

Basic

C, Assembly

HUMAN LANGUAGES

Native

English, Cantonese

Fluent

Mandarin, German (CEFR B2)

EXTRA-CURRICULAR AND VOLUNTEERING

Musical Instruments

Bass Guitar (Grade 8), Tuba (Grade 8), Euphonium (Grade 8), Guitar, Piano, Chinese Flute, Chinese Violin

Interests

Jazz music, economics, politics, linguistics, Effective Altruism, road cycling

Events Coordinator - DoCSoc (Computing Society)

August 2016 - present

Imperial College Union

- Overseeing all DoCSoc events, organising volunteer resources and obtaining rooms and spaces. I also take an active role in negotiating sponsorship, liaising with industrial partners, branding and publicity.

Secretary - Overseas Societies Committee

August 2016 - present

Imperial College Union

- Handling all administrative matters of the OSC. I also manage the OSC's marketing, website and social media.

Conversation Project Volunteer

October 2015 - present

Imperial College London

- Spending an hour and a half each week conversing with foreign students and staff to improve their spoken English and understanding of British culture.

Publicity Coordinator - Christian Union

August 2016 - present

Imperial College Union

- Creating posters and flyers to publicise events and overseeing the society's website and social media.