Sizhe Yuen

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Education

2014-PRESENT	**University of St. Andrews**, *MSci Hons Computer Science (expected 1st)*
2012-2014	**Shatin College, Hong Kong**, *IB Diploma 35 points*

Skills and Abilities

PROGRAMMING LANGUAGES	C, Java, Python, Haskell, Javascript, VBA
TOOLS AND FRAMEWORKS	Linux, Git, LaTeX, JUnit, Processing, Node.js

Work Experience

JUNE-JULY 2017	**New Modern Technology Ltd. Hong Kong** Programmer Trainee (Summer) Worked on adding enhancements to two existing Java projects with frameworks such as J2EE, Hibernate and GWT.
MAY-AUGUST 2016	**KPMG China, Hong Kong** Trainee Wrote VBA modules in Word to create custom toolbars with useful macros. Designed HTML pages with CSS and JS for new branding and was responsible for internet/intranet updates for the multimedia team.
JUNE-AUGUST 2015	**HongKong International Terminals** Summer Intern Wrote VBA macros in Excel to transform data logs, helped business analyst with writing user specifications for system updates and worked on a project with other interns to raise fitness awareness in the workplace.

Awards

- University of St Andrews Dean's List (2017, 2016, 2015)
- Winner of the Morgan Stanley Challenge at Hack the Burgh, Edinburgh (2017)
- Medal for performance in Programming Projects module (2015)
- Shatin College Computer Science Outstanding Student Award (2014)

Projects

Settlers of Catan	Year long junior honours team project to create a digital version of the Settlers of Catan board game. Worked together in a team of 4 where I was responsible for the backend in Java. Participated in inter-team discussions for a communication protocol that allowed a game to be played over different implementations.
Unix file system	Implemented a simple POSIX file system in C using unqlite key-value store for persistent storage. Features included a tree-structured directory hierarchy with sub-directories and file, directory and meta-data creation, update and deletion.
Multicast file distribution protocol	Designed and implemented a protocol to reliably and efficiently replicate whole files on persistent storage of multiple nodes in C. Made design decisions regarding the use of UDP multicast and TCP control messages based on observations during initial deployment.

Hackathons and Competitions

2017	Google Hashcode, StacsHack III, Hack the Burgh
2016	Google Hashcode, UKIEPC (*The UK/IE Programming Contest*)
2015	UKIEPC

Community Service

2010-2014	Volunteer at Fung Yuen Butterfly Reserve, Hong Kong