Alistair Ong

http://alistairong.com | alistairong@u.nus.edu | Github:// **alistairong** | LinkedIn:// **alistair-ong**

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE
BComp in Computer Science (Honours)
University Scholars Programme
Expected Dec 2020 | Singapore

THE UNIVERSITY OF TEXAS AT AUSTIN
BS in Computer Science (Honors)
Spring 2019 Exchange | Austin, TX

ANGLO-CHINESE SCHOOL (INDEPENDENT)
International Baccalaureate
Grad. Dec 2013 | Singapore

AWARDS

2018	USP Honour Roll
2012	Standard Chartered Most Creative Apprentice
2010	Edusave Scholarships for Integrated Programme Schools (ESIP)

SKILLS

LANGUAGES
Experienced:
Java • C • Javascript
Familiar:
Swift • Python • HTML & CSS

FRAMEWORKS AND TOOLS
React • Redux

COURSEWORK

UNDERGRADUATE
Advanced Operating Systems
Artificial Intelligence
Algorithms and Complexity
Computer Networks
Software Engineering

SOCIETIES

NUS Students' Computing Club
NUS University Scholars Club
NUS USP Badminton
NUS USP Floorball
NUS USP Livecore

EXPERIENCE

SEA | Software Engineering Intern
May 2019 – Aug 2019 | Singapore, SG
- Worked on SeaTalk Web in Sea's Labs Division, SeaTalk team.
- Optimizing web and desktop app by caching to prevent excessive re-rendering.
- Created a standalone React-Redux web app for mock events management.

SPARK SYSTEMS PTE LTD | Software Engineering Intern
May 2018 – Aug 2018 | Singapore, SG
- Created a mailer system with Amazon SES and JavaMail to automate creation and sending of files to both external and internal clients.
- Implemented automation suite for regression tests on GUI using TextFX.

MINISTRY OF HEALTH | Intern, Non-Communicable Diseases Division
Jan 2016 – July 2016 | Singapore, SG
- Planning of NurtureSG's data collection phase comprising of focus group discussions
- Researched into healthy programmes, initiatives in other countries to compile good practices to use in Singapore.

TEACHING EXPERIENCE

NATIONAL UNIVERSITY OF SINGAPORE
Teaching Assistant, Computer Architecture
Aug 2018 – Dec 2018 | Singapore, SG

PROJECTS

EZCARD | Swift
- An iOS app for quick exchange and updating of contact information.
- Implemented model and logic for CRUD in app, implemented search functionality.
- Made using **Swift** and **Firebase**.

AOS | C
- Implemented shell on skeleton microkernel-based Barrelfish OS on an ARMv7 core PandaBoard ES using capabilities for physical and virtual address management, spawning of processes and IPCs.
- Implementation included an RPC handler for message passing of keyboard commands to shell process from main init process.

THETRACKER | Java
- An address book to keep track of friends, students and the modules and events they are in.
- Implemented deep and shallow copies of objects for proper object model update and references.
- Made using **Java** and **JavaFX**.

SERVICE

2017	Vice Project Director	SoC Sports Camp 2018 NUS Students' Computing Club