Alistair Ong

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE
BComp in Computer Science (Honours)
University Scholars Programme
Expected May 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 • Javascript • HTML & CSS • Python
Familiar:
Swift • C

FRAMEWORKS AND TOOLS
React • Redux

COURSEWORK

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

SOCIETIES
NUS Students' Computing Club
NUS University Scholars Club
NUS USP Livecore

EXPERIENCE

SEA (GARENA) | Software Engineering Intern
May 2019 – Aug 2019 | Singapore, SG
- Sea (formerly known as Garena) is one of South-East Asia's largest tech companies specializing in e-commerce and gaming, valued at $8 billion.
- Optimizing SeaTalk web and desktop app to prevent excessive re-rendering, providing a speed-up of x27.
- 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, speeding up daily summaries and reports of market data.
- Implemented automation suite for regression tests on GUI using TextFX.

TEACHING EXPERIENCE

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

Teaching assistant for lab classes dealing with:
- Combinatorial and sequential circuit design techniques
- Processor datapath and control (execution cycles)
- Pipelining and cache

PROJECTS

QUIZARD | HTML, CSS, Typescript
- A progressive web app for creating, sharing and doing quizzes in a fun manner.
- Set-up front-end structure and backbone for whole web app.
- Planning and designing of entire front-end architecture.

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.

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

2019	Peer Mentor	NUS USP Computing
2017	Vice Project Director	SoC Sports Camp 2018 NUS Students' Computing Club
2017	Vice Captain	NUS USP Badminton