

# Alistair Ong

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Singaporean Citizen; Eligible for the H1B1-Singapore visa, which has a separate quota from the limited H1B pool

## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

BComp in Computer Science  
(Honours)

University Scholars  
Programme

Expected Dec 2020 | Singapore

### 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