



# Huang Lie Jun

Front-End Software Developer

## EXPERIENCE

### NodeFlair — Freelance ReactJS Engineer

AUGUST 2018 — SEPTEMBER 2018

React on Rails

Postgres

Delivered mobile-first experience for talent hiring application with site features such as invitation, offer and messaging with React on Rails.

### UrbanZoom — Freelance Google Assistant Developer

JUNE 2018 — JULY 2018

NodeJS

Firebase

Dialogflow

Twiml

Created a Google Assistant application for property valuation using Dialogflow, Actions on Google and extended the agent with call service using Twilio Voice.

### LittleLives — Contracted Module Project, NUS CS3217

APRIL 2018 — JUNE 2018

Vision

Azure Face

Pre-school attendance-taking iOS application made for LittleLives. Leverages on Azure Face and iOS Vision for face detection / recognition. Built with VIPER design pattern.

### ShopBack — Software Engineer Intern

DECEMBER 2016 — MAY 2017

ReactJS

Laravel

SCSS

SQL

Built key user and cashback management features using ReactJS and Laravel, participated in consumer site UI/UX marathon, delivered production fixes and maintenance.

### Defence Science Organisation — Research Intern

MAY 2015 — JULY 2015

OpenCV

OpenMP

Intel IPP

Researched and implemented object-tracking solutions for normalised video feeds using OpenCV in C. Optimised performance using Intel IPP and OpenMP.

## CONTACTS

 [hliejun.dev@gmail.com](mailto:hliejun.dev@gmail.com)

 [github.com/hliejun](https://github.com/hliejun)

 [linkedin.com/in/hliejun](https://www.linkedin.com/in/hliejun)

 [hliejun.github.io](http://hliejun.github.io)

## LANGUAGES

English

Chinese

Java

JS

Swift

## CERTIFICATIONS

### Certified Ethical Hacker

EC Council CEH certification for year 2016/17.

## LEADERSHIP

### NUS Students' Computing Club

#### RAG Creative Director (2017)

Led creative directions for stage designs, story flow and scene transitions.

### NUS Students' Computing Club

#### Deputy Welfare Director (2016)

Organised student welfare programmes for student engagement and wellness.

### Singapore Armed Forces

#### Deputy Manpower Officer (2013)

Managed financial assistance cases, disciplinary charges, prison visits, induction programmes, unit interviews and personnel postings.

### English Drama Club (High School)

#### Vice-Chairman (2009)

Managed training sessions, club morale and discipline, communications between staff, trainers and students.

## EDUCATION

### National University of Singapore

B.Comp Science (Honours-Merit)

Minor in Interactive Media Dev.

CAP: 3.76

### Hwa Chong Institution

Integrated Programme, AAA/A

H2 Physics, H2 Computing, H2

Math, H1 Project Work

## DEVELOPER PROJECTS

### Widgets for WhatsApp

2018 – Personal / 1 WEEK

Java

Android

Useful, one-click contact widget for WhatsApp™ users.

### React Chat

2018 – Personal / 2 WEEKS

ReactJS

Travis

Storybook

Rollup

Extensible ReactJS chat components written as NPM library.

### PokéMania

2018 – NUS CS3217 / 3 WEEKS

UIKit

Cocoa Pods

Pokémon-themed Bubble Blast game written from scratch with only access to UIKit and Foundation.

### Bubble Chat

2016 – NUS CS3216 / 4 WEEKS

React Native

Socket.io

Topic-threaded mobile chat application that resembles topical online chat rooms and forums, but using a real-time mobile chat event-based environment.

### Weight

2016 – NUS NM3216 / 3 WEEKS

Unity

Infinite run game that pits the player against a gravity-field stage while maintaining weight of the character.

### TodoList

2016 – NUS CS2103T / 6 WEEKS

JavaFX

Natty

JUnit

To-do list application with focus on keyboard interactions and minimal mouse interactions.

## AWARDS

### ShopBack

#### Star Awards (Ownership)

Awarded for taking ownership in internship assignments.

### NUS School of Computing

#### 9th SoC Term Project (2nd Place)

Bubble Chat was awarded as the second most popular project in the CS3216 module.

### Singapore Armed Forces

#### Chief Transport Officer Coin

Awarded for professionalism as deputy manpower officer in the battalion.

### Singapore Armed Forces

#### Sword of Merit

Awarded for top 10% performance among cohort of commissioned officers in the 89/12 Officer Cadet Course.

### Hwa Chong Institution

#### Resilience Award (自强不息)

Awarded for aptitude and resilience as a student leader in high school.

## COMMUNITY

### NUS Annual Giving

#### 2018 Class Champion

Fundraised for financially challenged NUS students.

### NUS Rag and Flag

#### Ragger, Beneficiary Engagement

Engaged students under MINDS at Fernvale Gardens School, planned and participated in performances and flag days.

### Hwa Chong Institution

#### Service Learning Project 3

Tutored disadvantaged students at Chen Su Lan Methodist Children's Home.

### Hwa Chong Institution

#### Service Learning Project 2

Tutored needy students Chinese at Xishan Student Care Center.

### Hwa Chong Institution

#### Service Learning Project 1

Tutored students with dysfunctional families English, Math and Science at Ahmad Ibrahim Primary School and organised the project as project leader.

## CREATIVE PROJECTS

### Interactive Story: Missing Children of Ann Siang Hill

2018 – NUS NM3222 / 1 WEEK

Bitsy

Explorative pixel-art story on discoverability and replay, implemented and designed with Bitsy.

### Interactive Story: The Patrol

2018 – NUS NM3222 / 1 WEEK

HypeDyn

Text-based interactive story focused on emotion and dialogue, performance as agency.

### Interactive Stories: Air Crash Investigation

2018 – NUS NM3222 / 1 WEEK

HypeDyn

Text-based interactive story focused on choice and replay.

### UI Design: Food Logging

2017 – NUS CS4249 / 3 WEEKS

Marvel

Mobile food logging interface mockup and prototyping with careful study of design principles and rules such as Fitt's Law and Hick's Law in Keystroke-Level Model (KLM) Goals, Operators, Methods, and Selection (GOMS).

## RESEARCH PROJECTS

### Satisfiability: SAT Solver

2018 – NUS CS4244 / 5 WEEKS

DPLL

CDCL

Implementing and comparing various satisfiability solving techniques and heuristics, modelling and applying it for the Einstein's Puzzle.