

# hieu-giang “joe” le-ba

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## WORK EXPERIENCE

### COMPUTING FOR VOLUNTARY WELFARE ORGANIZATION (CVWO)

#### PROJECT LEADER - SINGAPORE, 2016

- Led a team of 7 developers to implement a Management System for [Lions Befrienders](#). Directed the planning, design and production of the system.
- Currently in progress.

### COMPUTING FOR VOLUNTARY WELFARE ORGANIZATION (CVWO)

#### FULL-STACK DEVELOPER - SINGAPORE, 2015

- Built an IT system with Ruby on Rails to manage 7 Senior Activity Centres in Singapore.
- Implemented Records module which keeps track of incidents involving the clients. Proposed an abstraction method that saved ~300 lines of code.

### NATIONAL UNIVERSITY OF SINGAPORE

#### TUTOR - SINGAPORE, 2016

- CS1010S: Programming Methodology
- Conducted tutorial/consultation sessions, graded student submissions.

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## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

#### 2014 -

Bachelor of Computer Science

Latest GPA: 4.64 / 5.0

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## PROJECTS

### COMPUTING FOR VOLUNTARY WELFARE ORGANIZATION (CVWO)

#### LIONS BEFRIENDERS SERVICE ASSOCIATION (LBSA)

- A web-based system to manage daily workflow of LBSA Befriending and SAC programmes. Serving ~7000 seniors and ~1500 volunteers. (Ruby on Rails)
- More about the project [here](#).

### PERSONAL PROJECTS

#### KARDBOARD

- A web application that allows Facebook user to search, bulk-download and organize their tagged photos into shareable collections. (Express with Node.js)
- Contribution: Back-end developer. Implemented the logic/API for searching, collections and authentication.

#### COURIR

- A multiplayer endless runner game on iPad (Swift)
- Won **Best Project Award** at the NUS School of Computing Term Project Showcase (STePs)
- Contribution: Implemented the networking features, including a P2P networking library which supports host-guest connection/disconnection and data transfer.

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## LANGUAGES & TECHNOLOGIES

### LANGUAGES

Ruby (5k LOC), Java (3k LOC), Swift (2k LOC), JavaScript (2k LOC), Python (1k LOC)

### FRAMEWORKS

Ruby on Rails, Node.js

### DATABASES

PostgreSQL, MySQL, MongoDB, Cassandra

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## AWARDS

**Best Project Award**, NUS School of Computing Term Project Showcase (STePs) 2016

**Dean's List**, Semester 2, AY 2015/2016

**NUS ASEAN Scholarship**, 2014 - 2018