

Ng Guoyou

ng.guoyou@gmail.com <http://github.com/gyng>

EDUCATION

Bachelor of Computing (Communications & Media) Hons.
National University of Singapore
2011–2015

SKILLS

Comfortable with Ruby, JavaScript, Java, HTML, CSS

Some experience with Rust, C, Python, Ruby On Rails, Android, Git, Photoshop, Illustrator.

Native English and Mandarin Chinese speaker.

EXPERIENCE

Roomorama

Software Developer Intern, May–August 2013

Built a business statistics dashboard in Ruby and CoffeeScript to aid decision-making. Worked on the main Ruby On Rails application implementing features and bug fixes, including a locale-aware Elasticsearch implementation for room listings and third-party inventory integration. Gained exposure working in an agile devops environment.

Freelance

Web Designer, 2012–2014

Worked with several clients on short-term jobs to design and implement web designs as a freelance contractor. Used HTML, CSS and JavaScript for frontend projects. Interacted with clients to fulfill their business requirements. Amount of design ranged from created-from-scratch to adaptations of existing designs for the web.

Singapore Armed Forces

Armourer, 2008–2010

Served National Service as an armourer. Was responsible for managing the logistics and maintenance for an armoury of small arms.

PROJECTS

A partial list of projects:

- Parallel raytracer with basic animation and a physically-based material shader in Rust
- Toy audio synthesizer library in Rust
- Location-based augmented reality Android app and Ruby backend for ship identification
- Microsoft Comic Chat clone in Node.js
- JSON-based JavaScript frontend application with a Ruby backend for presentation of lists
- Fully-featured IRC bot with plugin functionality in Ruby
- JavaScript game engine with upgrade system using JavaScript and HTML5
- Desktop expense tracker in Java with JavaFX

Source code and demo sites for most of these are available on [GitHub](#). An overview of selected projects is available <https://gyng.github.io/projects>.