

# Ng Guoyou

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

EDUCATION	<p>Bachelor of Computing (Communications &amp; Media) Hons. National University of Singapore 2011–2015</p>
SKILLS	<p>Comfortable with</p> <ul style="list-style-type: none"><li>• Ruby</li><li>• JavaScript</li><li>• Java</li><li>• HTML, CSS</li></ul> <p>Some experience with Rust, C, Python, SQL, Ruby On Rails, Android, Git, Photoshop, Illustrator.</p> <p>Native English and Mandarin Chinese speaker.</p>
EXPERIENCE	<p><b>Roomorama</b> <b>Software Developer Intern</b>, 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.</p> <p><b>Freelance</b> <b>Web Designer</b>, 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.</p>
PROJECTS	<p>A partial list of projects:</p> <ul style="list-style-type: none"><li>• Parallel raytracer with basic animation and a physically-based material shader in Rust</li><li>• Toy audio synthesizer library in Rust</li><li>• Location-based augmented reality Android app and Ruby backend for ship identification</li><li>• JSON-based JavaScript frontend application with a Ruby backend for presentation of lists</li><li>• Fully-featured IRC bot with plugin functionality in Ruby</li><li>• Microsoft Comic Chat clone in Node.js</li><li>• JavaScript game engine with upgrade system using JavaScript and HTML5</li><li>• Desktop expense tracker in Java with JavaFX</li></ul> <p>Source code and demo sites for most of these are available on <a href="#">GitHub</a>. An overview of selected projects is available <a href="https://gyng.github.io/projects">https://gyng.github.io/projects</a>.</p>