

# Do Nhat Minh

## Contact Information

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## Work Experience

### Viki Inc. ([viki.com](https://viki.com)) – Platform Engineer

- Jun 2014 – Present
- Containerized services for speedy recovery measures, easy deployment and better security (brought down deployment time from 20 minutes to 5 minutes)
  - Worked with Amazon S3, Redis, RabbitMQ, PostgreSQL, Ruby and CoffeeScript to deliver high performance backend API for hosting celebrities information on Viki in order to increase viewer engagement (see [viki.com/celebrities](https://viki.com/celebrities) for an example)
  - Maintaining and improving uptime of [api.viki.io](https://api.viki.io), the backend API for Viki products (website, iOS app, Android app, Samsung TV app, etc.) and third party clients ([wuaki.tv](https://wuaki.tv), [tempo.co](https://tempo.co), [myasianTV.com](https://myasianTV.com), etc.)
  - Developing integration testing tool for multi-service black box testing

### VentesWorks Pte Ltd – Software Engineer Intern

- Jun 2013 – Aug 2013
- Installed and maintained the company's servers on EC2 instances
  - Developed a data importer from CSV to MongoDB, achieving speed twice as fast as Pentaho's

### Ubisoft Singapore Pte Ltd (**Assassin's Creed IV: Black Flag**) – Intern Programmer

- Jul 2012 – Dec 2012
- Implemented internal tools to be used by level designers
  - Prototyped automatic camera system for the official game

## Projects

### Final Year Project

- Jan 2014 – May 2014
- EDF scheduler for Micrium µC/OS-III, a real-time operating system for embedded devices

### **status** – extensible static site generator in Clojure

- Dec 2013
- Pipelined architecture with focus on extensibility

### **Pyscheme** – Scheme interpreter in Python

- Dec 2011
- Developed this in three days after reading The Little Schemer
  - Demonstrated comprehension of concepts in functional programming

### **SmartPlanner** (Awarded Best in Computing Innovation and Design Programme) **Leader of User Interface team**

- Aug 2011 – Dec 2011
- Coordinated work of team members on the main User Interface
  - Main contributor of pages with largest user-facing time

## Extra-Curricular Activities

### NTU Open Source Society – Vice President

- Aug 2012 – Apr 2014
- Organized workshops to spread technical knowledge to NTU student body
  - Promoted software development in NTU

### Mozilla's Rust – Open Source Contributor

- Jul 2013 – Dec 2013
- Removed unnecessary misfeatures from the standard library
  - Added signal handling support to the standard library

### NTU Open Source Society – Technical Director

- Sep 2011 – Aug 2012
- Organized Software Freedom Day celebration in NTU
  - Gave presentation on Ubuntu basics in Ubuntu Install-fest

## Achievements

- |                   |          |   |
|-------------------|----------|---|
| Third prize       | Mar 2011 | Mod Anything! 24hr Hackathon by NTU Venture                     |
| Consolation prize | Feb 2011 | CodeCom 2011 by NUS Hackers                                     |
| Second prize      | Apr 2010 | Ho Chi Minh City's Programming Contest for High School Students |

## Skills

- |                       |   |
|-----------------------|---|
| Programming Languages | <b>Ruby, CoffeeScript</b> , Go, JavaScript, Clojure, Python, C, C++, Java |
| Tools                 | <b>vim</b> , git, Redis, RabbitMQ, docker, fabric, linux                  |

## Education

### Nanyang Technological University - Bachelor of Engineering in Computer Science

- Aug 2010 – May 2014
- Cumulative GPA **4.17 / 5.0**
  - Teaching assistant (developed lab manual materials)