Do Nhat Minh

Contact Information

Code	git.io/minh
Phone	604-500-4710
Email	m@minhdo.org

Work Experience

Viki Inc. (viki.com) – DevOps Engineer **May 2016 – June 2017**

- Developed a development environment (codenamed nDev) capable of running the whole Viki infrastructure on one machine, based on Docker in Docker and PPTP for VPN
- Maintained uptime of all Viki infrastructure

Leadbook Pte Ltd (leadbook.com) – Software Engineer **Jun 2015 – Apr 2016**

- Simplified codebase by removing overdesigned and redundant subsystems
- Implemented optimizations.
  - Reduced page load time for list view of data by 4 times by not rendering redundant data
  - Reduced request serving time for bulk operations by 100 times by using bulk update and partial record/document update APIs

Viki Inc. (viki.com) – Platform Engineer **Jun 2014 – May 2015**

- 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 for an example)
- Maintained and improved uptime of api.viki.io, the backend API for Viki products (website, iOS, Android, Samsung TV clients, etc.) and third party clients (wuaki.tv, tempo.co, myasiantv.com, etc.)
- Developed integration testing tool for multi-service black box testing

Leadbook Pte Ltd (leadbook.com) – 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) **Jul 2012 – Dec 2012**

Intern Programmer

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

Education

University of British Columbia **Sep 2017 – Present**

Master of Science (Computer Science)

- Teaching assistant

Nanyang Technological University **Aug 2010 – May 2014**

Bachelor of Engineering (Computer Science)

- Cumulative GPA **4.17 / 5.0**
- Teaching assistant (developed lab manual materials)

Initiatives

Grokking Engineering (grokkingengineering.org) – **Organizing Team** **Oct 2014 – Present**

Building a community of good software engineers in Vietnam

- Organize talks and coding challenges to help raise the bar for software engineers in Vietnam

- Experiment with new ways to deliver vision

| 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

University Projects

| **Final Year Project** | Jan 2014 – May 2014 |

- EDF scheduler for Micriµm 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

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 | **Ruby, CoffeeScript,** Go, JavaScript, Clojure, Python, C, C++, Java |
| Tools | **vim**, git, Redis, RabbitMQ, docker, fabric, linux |