

TRI NGUYEN

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EDUCATION

University of Massachusetts – Amherst

Bachelor of Science in Computer Science

Amherst, MA

May 2018

- GPA: 3.8 - Major GPA: 4.0

- Chancellor's Scholarship

- 2014-2015 Dean's list

Coursework:

100 level

Programming w/ Data Structures (A)

200 level

Programming Methodology (A)

Intro to Computation (A)

Reasoning Under Uncertainty

300 level

Intro to Algorithm

Mobile Health Sensing Monitoring

EMPLOYMENT

Software Engineering Intern

Dirox IT Outsourcing, Vietnam

June 2015 – August 2015

- Worked on internal web application to manage company's 30 employees using Django, HTML and jQuery.
- Developed a feature which allows employees to add skills to their profiles and to search for employees with a specific skill.
- Developed mobile game on Cocos2d-x platform.

Web Developer

UMass College of Computer Science

September 2015 – current

- Develop back-end of Lecture Viewer, College's website to view video lectures, using Go Revel framework.

TECHNICAL EXPERIENCE

Programming language: Python, Java, JavaScript, Scala, Go, HTML/CSS, MySQL, C++

Technology: Python Django, Go Revel, jQuery, Linux, Window, Git, Akka, Cocos2d-x

Projects:

- **Android step-counter application (2015).** Project of class *Mobile Health Sensing and Monitoring*
- **Inverted Indexer (2015).** Used **Scala, Akka** to build a web crawler to fetch html and index all words that were found and all links in which each word appears. Project of class *Programming Methodology*
- **Py-reddit (2015).** a **Python** script to scrape a specific subreddit to collect number of total and online readers every ten minutes using **Cron** on a DigitalOcean server.
- **WordLife (2015).** a **Django** web application to learn vocabulary using flashcards with pictures. Users input word and application automatically get one image for each word from Google Image. Project at Vietnamese Hackademics 2015.
- **Py-regdomain (2015).** a **Python** script to completely setup a website domain using Internetbs's API, including register domain, email forwarding, DNS Records, setup Mailchimp.
- **Clap-shuffle (2015).** Use Intel Edison Board to create a music player device that will skip to the next song in the playlist using NodeJS and Socket.io

HONORS AND AWARDS

- **Vietnam Olympiad in Informatics: Third prize.** Contest held by Ministry of Education of Vietnam. Problems included Recursion, Graph Theory and Dynamic Programming. 2013
- **ACM ICPC - Western New England University Site: Ranked 4th.** Contest sponsored by IBM and organized by Association for Computing Machinery. Solved 6/7 problems. 2014
- **Vietnam April 30th Olympiad in Informatics: Gold Medals** in Olympiad for high schools in Southern Vietnam. 2012, 2013

EXTRACURRICULAR ACTIVITIES

Coders

Ho Chi Minh City

Co-founder, event organizer, technical mentor

Summer 2015

- Founded organization in order to bring more and more Vietnamese people into coding by organizing workshops and creating online tutorials in Vietnamese.
- Organized two workshops and taught HTML/CSS and JavaScript in two workshops.