**TRI NGUYEN**

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**EDUCATION**

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| **University of Massachusetts – Amherst** | | | | Amherst, MA |
| *Bachelor of Science in Computer Science* | | *May 2018* | | |
| |  |  |  | | --- | --- | --- | | * GPA: 3.8 - Major GPA: 4.0 | * Chancellor’s Scholarship | * 2014-2015 Dean’s list |   **Coursework:** | | | | |
| **100 level** | **200 level** | | **300 level** | |
| Programming w/ Data Structures (A) | Programming Methodology (A) | | Intro to Algorithm | |
|  | Intro to Computation (A) | | Mobile Health Sensing Monitoring | |
|  | Reasoning Under Uncertainty | |  | |

**EMPLOYMENT**

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| **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 Scala Play Framework. | | | | |

**TECHNICAL EXPERIENCE**

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| **Programming language:** **Python, Java, JavaScript,** **Scala,** HTML/CSS, MySQL, C++  **Technology: Python Django, Scala Play, 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**

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| * **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**

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| **Coders**  ***Co-founder, event organizer, technical mentor***   * 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. | Ho Chi Minh City  Summer 2015 |