50 College St.
1756 Blanchard Campus Center
South Hadley, MA 01075

NGAN (SYLVIA) HOANG

(413)275-3609
hoang25n@mtholyoke.edu
sylvia-hoang.github.io

EDUCATION

Mount Holyoke College, South Hadley, Massachusetts   **In-major GPA: 4.00/4.00**

Bachelor of Arts in Computer Science with minor in Biology (expected Jan 2017)

Relevant Coursework: Advanced Object-Oriented Programming, Data Structures, Software Design, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Applied Linear Regression

TECHNICAL SKILLS

- Java, Python (Proficient)
- HTML, CSS, JavaScript, jQuery, SQL, Bootstrap, Node.js, Git, Eclipse (Working Knowledge)

EXPERIENCE

Student Web Programmer   Sep 2015 - Present

MHC Library, Information and Technology Services

- Update and maintain the college's website, powered by Drupal
- Develop a new widget feature for the library's resource circulation system

Front-End Web Developer Intern   Feb 2015 - May 2015

UrbanCare Ltd., Hanoi, Vietnam (local startup)

- Analyzed the requirements for a social networking web app serving professionals in Southeast Asian NGOs
- Documented and maintained HTML, CSS and JavaScript coding standards
- Created diagrams and wireframes for the app's information architecture and frontend design
- Coded the layout template for the app's frontend design features to be going live in the next release

Research Assistant, Supervisor: Prof. Audrey St. John   May 2014 - Dec 2014

MHC Department of Computer Science

- Implemented an algorithm that predicts a protein's conformational changes; used Python's SciPy library
- Finished writing scripts to process XML protein data for further analysis
- Maintained a web site documenting research progress and future plans
- Presented research project at MHC Computer Science Society Seminar in Oct 2014

PROJECTS

- **Sorting** (2015). Implementation and animation on array sorting using popular sorting algorithms; Java.
- **Direction Finder** (2015)**.** Implementation of Google Maps' finding direction feature in the browser; Google Maps JavaScript API.
- **Q&A Guessing Game** (Advanced OOP Class, 2014). A guessing game through questions and answers implemented based on binary tree structure; Java.
- **LightBeats** (HackHolyoke Hackathon 2014). Collaborated with a group of 3 students to program a LED light chain which responds with different colors to different types of drum beats; Arduino.

INTERESTS/ACTIVITIES

- Computer Science Peer Mentor, MHC Computer Science Mentorship Training Initiative (2015 – Present)
- Social Chair, Neuroscience Student Forum (2014)
- Member, RJ Korean Hiphop Dance Group & Vietnamese Students' Association (2013 – Present)