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South Hadley, MA 01075

NGAN SYLVIA HOANG

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EDUCATION

Mount Holyoke College, South Hadley, Massachusetts

GPA: 3.71/4.00

Bachelor of Arts in Computer Science with minor in Mathematics (expected Dec 2016)

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

EXPERIENCE

GOLDMAN SACHS | Jersey City, NJ

Jun 2016 – Aug 2016

Technology Summer Intern

- Worked in a team of 4 to implement 2 web applications assisting 36,000 global employees firmwide
- Implemented frontend logic and 3 service factories for interactions with backend using AngularJS
- Created 2 custom RESTful web services in Java and 4 UI screens

URBANCARE | Hanoi, Vietnam

Feb 2015 - May 2015

Front-End and Product Design Intern

- Implemented the layout template for the app's frontend design features to be going live in the next release
- Created wireframes for the app's information architecture and frontend design
- Analyzed and reiterated on the requirements for a professional web platform for NGOs in Southeast Asia

MHC LIBRARY, INFORMATION & SERVICES | South Hadley, MA

Sep 2015 – Present

Student Web Programmer

- Wrote Python script (300 lines) to detect, remove and report unused files in college's SQL database in a text file

MHC DEPARTMENT OF COMPUTER SCIENCE | South Hadley, MA

Research Assistant, Supervisor: Prof. Audrey St. John

May 2014 - Dec 2014

- 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

Teaching Assistant, Courses: Advanced Object-Oriented Programming, Intro to Comp. Sci.

Jan 2016 – Present

- Held weekly sessions to assist students with programming assignments and answer their questions

PROJECTS

Prepper | Web Programming Group Project

Jan 2016 – May 2016

- Worked in a group of 5 to implement a web application that provides peer-to-peer technical interview preparation
- Implemented 3 full stack features in ReactJS (frontend), ExpressJS and MongoDB (backend).

MusiqueBox | HackUMass

Oct 2015

- Worked in a group of 4 to create a song controller for Spotify on Mac. Assembled hardware with Arduino and implemented in AppleScript.

LightBeats | HackHolyoke

Nov 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 using Arduino.

TECHNICAL SKILLS

- Languages: Java, Python (Proficient)
JavaScript, SQL, HTML, CSS (Familiar)
- Frameworks: AngularJS, ReactJS, Bootstrap, NodeJS, ExpressJS, MongoDB (Familiar)
- Tools: Git, Eclipse, Android Studio (Familiar)