Dang Pham

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Education

Massachusetts Institute of Technology   **Cambridge, MA**
Candidate for BS in Computer Science and Engineering
GPA: 4.6/5.0
Coursework: Algorithms, Software Construction, Artificial Intelligence, Linear Algebra, Automata and Computability

Experience

Developer, MIT Sensable City Laboratory   **September 2014 - Present**
- Prototype software that automate the collection, and data analysis of biowaste.
- Develop a full web stack from the back-end to front-end to visualize the data collected from the system in real time.
- Develop models of an urban area based on sewage data and demographic data.

Teaching Assistant, 6.S092 Intro to Programming in Java   **January 2015 - Present**
- Assist students in completion of labs and programming assignments
- Explain and clarify essential concepts in software development such as inheritance, interface, and concurrency

Undergrad Researcher, Ben Gurion University of the Negev   **June 2014 - August 2014**
- Work closely with Professor Shlomi Dolev to develop a prototype software for secret sharing in the clouds.
- Develop a client-server file transfer script that encapsulates, encrypts, and tunnel packets to multiple intermediate servers before reaching the destination.

Skills

Java, Python, HTML/CSS, Javascript/JQuery, Node.js, D3.js, Angular.js, Git

Projects

Nomad, 3rd Prize Winner MIT Web Programming Competition   **2015**
- A website designed for travelers to find other travelers in the area with the same interests, languages, and various other factors. I developed the website with two other teammates in three weeks for the competition. *Angular.JS, Firebase, Node.js*

Sexual Assault at MIT   **2014**
- An interactive data visualization based on the data released by MIT from its Sexual Assault Survey. The visualization highlights students experiences, sexual assaults, and use of campus' resources**.** *D3.js*

Slotify   **2014**
- A Slack plugin that returns the top 5 tracks on Spotify of a queried artist as a way to easily share music on Slack. *Node.js, Spotify API*

Extracurriculars

Webmaster, Senior House Dormitory   December 2014 - Present
Social Chair, GLBTQ @ MIT   September 2014 - Present
Producer, WMBR 88.1 FM   September 2013 - Present