Nam Tran Ngoc

http://namt.io

nhtranngoc@wpi.edu | 508.736.0890
231 Russell Street, Apartment 2 | Worcester, MA 01602

OBJECTIVE

Full-time position in front-end, back-end, or full-stack web development.

EDUCATION

WORCESTER POLYTECHNIC
Robotics Engineering
Aug 2013 - Present | Worcester, MA
Class of 2017

COURSEWORK

Webware: Computational Technology for Network Information Systems
Software Engineering
Unified Robotics Series: Mechanism, Sensors, Manipulation, Navigation

SKILLS

PROGRAMMING
HTML5/CSS3 •Javascript •Shell •C •Java •Arduino •Python •Robotic Operating System (ROS) •LaTeX

SYSTEMS
Windows •Linux (Ubuntu, Arch Linux, Fedora) •Amazon Web Services

DESIGN
Bootstrap 3 •CSS3 •AngularJS •NodeJS •UIKit

SOFTWARE
Adobe Creative Suite •MS Office •Echo360 •SharePoint

ACTIVITIES

VIETNAMESE STUDENT ASSOCIATIONS
2015-present •Vice-President

LINKS

Github:
https://github.com/**nhtranngoc**
LinkedIn:
http://linkedin.com/in/**nhtranngoc**

PROJECTS

ASSISTIVE TECHNOLOGY SEARCH DATABASE
Jan-May 2016 | Seven Hills Foundation
- Assessed the needs of staff and clients at Seven Hills Foundation
- Provided a responsive web application that allows caretakers at Seven Hills Foundation to search for assistive technologies for patients and clients.
- Built using NodeJS, AngularJS, Bootstrap, MySQL, and tested with Mocha.

WEBWARE | Computational Technology for Network Information Systems
Oct-Dec 2015 | WPI
- Worked in a team of three to build a Jeopardy-like web application that makes use of MongoDB, web API and Socket.io.

SOFTWARE ENGINEERING
Mar-May 2015 | WPI
- Java-based team project to produce "Sixes Wild", an adaptation of "Candy Crush" variant game.
- Designed and created individual based project "Aces and Kings", a Solitaire variant in Java.

UNIFIED ROBOTICS | Mechanism, Sensors, Manipulation and Navigation
Aug-Dec 2014, Aug-Dec 2015 | WPI
- Team-based project to navigate and map an enclosed space with a Turtlebot running Robotic Operating System (ROS).
- Designed chassis and electrical system for line-tracking, simultaneous localization and mapping, and object-sensing.

INDEPENDENT PROJECTS
May 2014-current | Worcester, MA
- Interactive LED Board
  - Inspired by Google Creative Lab's Anypixel board.
  - Wrote a Node.JS wrapper library for hardware communication.
- Home Automation
  - Web-based control for an in-room smart lighting system.
  - Interface with WS2812 LED strip from local server.
- Personal Website
  - Minimalistic design with CSS and D3. (http://namt.io)
  - Deployed and hosted using DigitalOcean.
  - Reverse proxy for hosting different web applications.

WORK EXPERIENCE

A/V STUDENT SUPPORT Aug 2013- present | WPI, Academic Technology Center
- Audio/Visual Support •Large Format Printing
- Troubleshoot A/V Technology •Mentor New Hires

STUDENT TUTOR January 2016- March 2016 | WPI, ECE Department
- Assist in lab projects •Evaluate homework and lab assignments for 100+ people
- Hold office hour to ensure students understood course concepts