

Justin N. Nguyen

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Objective

To gain experience in the software engineering field

Education

University of Massachusetts Lowell, Lowell, MA

Bachelor of Science in Computer Science expected May 2016

- GPA: 3.0
- Relevant coursework: Computing I, II, III, IV; Calculus I, II; Discrete Structures I, II; Computer Organization and Assembly Language; Logic Design; Organization of Programming Languages; Computer Architectures

Skills & Training

Programming

- Languages: C; C++; JavaScript; Scheme; MIPS assembly
- Operating Systems: Windows; Linux; Unix
- Text Editors: Emacs; Sublime; Vim
- Projects: Sierpinski's Triangle; Encoding and decoding images using LFSR; N-Body Simulation using laws of physics and displaying an animated universe; Implementing the Karplus-Strong algorithm to simulate plucking a guitar string on the keyboard

Applications

- Microsoft Visual Studio, WebMatrix, Word, PowerPoint, Excel; PuTTY; DrRacket; VirtualBox, VMware

Hardware

- Proficient with soldering circuit boards and power tools
- Projects: Constructing a RC car that used radio signals between it and a hand-held transmitter; Robotic arm that pick rubber balls and drop them in containers

Achievements

April 2015

HackHolyoke, 3rd place at Mount Holyoke College

- Music Mask, an application where it takes a picture and using facial recognition to determine a random song on that emotion

April 2015

HackDartmouth, Best Security App at Dartmouth College

- Project Rhino, a security application where it splits, compresses, and encrypts a file and buffers it into three different cloud services for increased security for personal files