

# Nakayla R. Smith

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## **EDUCATION**

Northeastern University, Boston, MA  
Bachelor of Science in Computer Engineering

Expected Dec 2019

## **COURSEWORK**

Circuits and Signals, Calculus II, Physics II, Engineering Problem Solving and Computation, Differential Equations and Linear Algebra

## **TECHNICAL SKILLS**

Software and OS: AutoCAD, SolidWorks, PSpice, MATLAB, Microsoft Office; Windows, Ubuntu 15.04+

Programming Languages: C, C++, HTML/CSS, Python

Hardware: Oscilloscope, Function Generator, Digital Multimeter, Arduino/microcontrollers, Soldering

## **PROJECTS**

Mini Smarthome Project: Built a self-designed temperature control system on Arduino in C using sensors, servos, LCD, and other peripheral devices.

C++/MATLAB Data project: Took a large data set and input in C++, sorted it using user defined functions, wrote it to a new file, and exported it to MATLAB for analysis and graphing.

Sumo Battle Robot: Constructed a robot with an ATmega microcontroller, continuous rotation servos, sensors, and other peripherals on a breadboard. Won 1st place in battle against 4 other robots. Programmed in C on Arduino.

## **WORK EXPERIENCE**

Northeastern University Synergetic Media Learning Lab, Boston MA January 2015– January 2016  
Undergraduate Researcher

- Assisted in creation of “Families in the Wild” Kinship Recognition visual database
- Attend weekly lab meetings to learn new aspects of machine learning

John Leonard Employment Agency, Boston, MA June 2016– September 2016  
Temporary Office Worker

- Completed filing, data entry, and other office duties

Connections Computer Lab, Boston, MA September 2014 - July 2015  
Lab Assistant

- Troubleshoot computer network and printer problems
- Performed routine hardware and software maintenance and updates

## **LEADERSHIP & ACTIVITIES**

Northeastern IEEE Student Chapter – Outreach Coordinator, Secretary 2014 – Present

Black Engineering Student Society 2014 – Present

## **HONORS**

AP Scholar Award – AP Calculus AB and BC, AP English Language, and AP English Literature

National Achievement Scholarship Semifinalist

Ujima Global Leaders Scholar – John D. O’Bryant Institute

Arizona Regional Honor Band – 2<sup>nd</sup> Chair Bass Clarinet