

Kai Arsenault

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Education

Wentworth Institute of Technology | Boston, MA
Bachelors of Science, Computer Engineering
Minor, Computer Science
Member of IEEE honor society - Eta Kappa Nu

Expected April 2021
GPA 3.7
Dean's List

Relevant Coursework

Microcontrollers using C, Network Theory I+II (Circuits), Computer Science I+II, Data Structures
Digital Logic, Calculus I,II,III, CAD/CAM, MATLAB, Physics I+II, Intro to Engineering Design

Skills

Technical Skills:

Analog and digital circuit design, building and testing circuits

Applications:

Eclipse, Git, Microsoft Office (Excel, Word, Powerpoint), Multisim, Quartus II, Arduino
SolidWorks, Visual Studio

Programming Languages:

Java, C, Python, HTML (5, Bootstrap), CSS | Familiar with: MATLAB, C++, L^AT_EX

Test Instruments:

Oscilloscope, wave function generator, digital multimeter, waveform generator breadboard,
power supply

Operating Systems:

Windows, Linux, Mac

Spoken Languages:

English (native), Japanese (advanced)

Academic Projects

Real Estate Application | Computer Science II | Team of 4

October - December 2018

Wrote Java programming with JavaFx GUI library to display properties
and allow for user interaction

Code storage and team collaboration via GitHub

Ice Detection Video Sensor | Intro to Engineering Design | Team of 4

February - May 2018

Programmed MATLAB code to analyze live video pixel gradient

Developed a circuit that would light LED when ice was detected

Presented project and poster Wentworth's Engineering Design Showcase

Experience

Finance Intern, Net Lease Capital Advisors | Nashua, NH

June - August 2018

Developed a thorough Excel model for note pool and tax financial modeling

Collaborated in teams of two to four people in multiple projects

Communicated Excel models through multiple company presentations

Leadership Academy Intern, Camp Hope [non-profit] | Schwenksville, PA

May - August 2017

Led 40 high school and college students in developing problem solving skills

Organized a five week, 16 hour day schedule with five other interns

Facilitated inner-city mentoring program