Kai Arsenault

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Education

Wentworth Institute of Technology | Boston, MA   Expected April 2021

Bachelors of Science, Computer Engineering   GPA 3.78

Minor, Computer Science   Dean's List

Relevant Coursework

Data structures, Network programming, Database management systems, Analog circuit design

Object oriented programming, Hardware security, Microcontrollers using C, Digital Logic

Related Experience

Software Engineer Intern, Nasuni | Boston, MA   May - August 2019

Designed, implemented and tested a python tool suite that extracts and
  builds the lifecycle of filesystem objects on a single on-premise NAS
  appliance or multiple such geographically-distributed appliances.

Worked in teams using Agile project management through JIRA

Gave multiple team-wide presentations and demos

Skills

Programming Languages:

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

Technical Skills:

Linux (Debian, RedHat), Git, VMWare, Secure shell, Vim, Analog and digital circuit design

Agile project management (JIRA), Arduino, Microsoft office, Multisim, Quartus II, SolidWorks

Test Instruments:

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

Spoken Languages:

English (native), Japanese (advanced)

Academic Projects

Real Estate Application | Computer Sceince II | Team of 4   October - December 2018

Wrote Java application with JavaFx GUI library to display properties
  and allow for user interation

Code storage and team collaboration via Git

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

Other 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

Balanced QuickBooks journal entries for note pool

Communicated Excel models through multiple company presentations