

JOHN E. MILLER

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50 Stonecleave Rd, Boxford, MA 01921

EDUCATION

Northeastern University, Boston, MA

May 2023

BS Computer Engineering and Computer Science, GPA: 3.4

Coursework: Discrete Structures, Fundamentals of CS, Probability and Statistics, Circuits and Signals, Embedded Design, Differential Equations, Physics 2

University College Dublin, Dublin, Ireland

September - December 2018

Semester Abroad, GPA: 3.87

Masconomet Regional High School, Boxford, MA

June 2018

EMPLOYMENT HISTORY

Novo PLM, Frisco, TX / Boston, MA

June - August 2019

Engineering Intern

- Worked on Virtual Reality Demos for customers of Novo and PTC
- Attended LiveWorx Tech Conference with Novo team
- Created and delivered a presentation for OKUMA America

Foote Brothers Canoe and Kayak Rental, Ipswich, MA

July 2017 - August 2018

Dock Worker - Assisted customers, transported kayaks

Satucket Farm Stand, Brewster, MA

June 2014 - August 2016

Cashier / Assistant - Assisted customers, stocked shelves, managed shipments

SKILLS

Programming Experience: Java, C++, Python, Racket, HTML 5

Software: MS Office, Linux, Arduino, SOLIDWORKS, AutoCAD, Unity, MATLAB/Simulink, PTC CREO, PTC Vuforia

Language: Intermediate Spanish

ENGINEERING PROJECTS

Embedded Design Lab Project: Robotic Arm Controlled by Wii Remote

December 2019

- Used C++ and Simulink to control a robotic arm using a Wii remote

Cornerstone of Engineering Final Project: Recursive Puzzle with Computer Vision

April 2019

- Built Towers of Hanoi puzzle that used OpenCV with Python to track attempts to solve the puzzle
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ACTIVITIES

Walk While You Can (Motor Neuron Disease Charity)

Tennis / Mountain biking club

First Robotics club

NUAV (Northeastern Unmanned Aerial Vehicle Club)

Boxford Open Land Trust Volunteer Work
