JOHN E. MILLER

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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

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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