

# JOHN E. MILLER

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## EDUCATION

**Northeastern University**, Boston, MA May 2023  
BS Computer Engineering and Computer Science, GPA: 3.5  
Coursework: Networks, Linear Systems, Logic and Computation, CSII Java, Discrete Structures, Embedded Design  
**University College Dublin**, Dublin, Ireland September - December 2018  
Semester Abroad, GPA: 3.  
**Masconomet Regional High School**, Boxford, MA, GPA: 4.7/5.3 June 2018

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## EMPLOYMENT HISTORY

**Quantiphi Inc**, Marlborough, MA / Boston, MA June - December 2019  
*Chatbot Engineering Intern*

- Built Chatbots for organizations like the Colorado Department of Labor
- Gained experience with GCP, Git versioning, machine learning, data science and more
- Built demo bots for prospective customers such as Urban Outfitters

**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

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## SKILLS

**Programming Languages:** Java, C++, JavaScript (Node.js), Python, NoSQL, HTML, CSS, Lisp and Racket  
**Software:** Google Cloud Platform, Git, Dialogflow, Linux, Arduino, SOLIDWORKS, AutoCAD, Unity, MATLAB/Simulink, PTC CREO, PTC Vuforia, MS Office / Google Suite  
**Language:** Intermediate Spanish

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## 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

Drone Racing with NUAV (Northeastern Unmanned Aerial Vehicle Club)  
Walk While You Can (Motor Neuron Disease Charity)  
Mountain Biking  
Boxford Open Land Trust Volunteer Work

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