



# KEVIN MONTEITH

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## EDUCATION

### Northeastern University, Boston MA, USA

Masters of Science - Artificial Intelligence; GPA 4.0

*Expected Graduation April 2025*

### Bridgewater State University, MA USA

Bachelor of Science - Computer Science; Summa Cum Laude

*May 2020*

## WORK HISTORY

### CTO and Software Developer

*August 2017 - Current*

ARC Industries, Inc | Bridgewater, MA

- Facilitated the design of a sensor box that controls and monitors the speed and electrical output of a wind turbine, modified parts, and materials to correct problems or bring in new functionality.
- Leveraged technical expertise to support, maintain, document, and enhance software functionality, wrote and developed a frontend and backend that actively deters wildlife, and controls the speed of the wind turbine in dangerous scenarios
- Developed the company's website and user interface for the employees.
- Defined project scope, gathered requirements, and managed milestones to complete projects on time and under budget, and collaborated to define goals, objectives, and requirements for specific roles and responsibilities.
- Performed quality assurance and integration testing for completed projects ahead of deployment.

### Coach and Advisor

*January 2014 - Current*

Town of Holbrook, High School Robotics | Holbrook, MA

- Facilitate the training and supervision of high school students in subjects such as programming, CAD, machining, and other STEM subjects.
- Manage finances and administration duties of a non-profit organization, liaise with school and public officials to promote STEM education within the community and throughout the state.
- Guided students in making productive choices and prospecting for academic success, offered knowledgeable counseling to class choices, scheduling, and career planning, and prepared students for future educational paths by encouraging learning exploration and persistence in the face of challenges.
- Built a positive support network and addressed specific behavioral and academic problems by working closely with families and fellow professionals.

### Freelance Web Developer

*January 2020 - Current*

- Created highly responsive and scalable web applications for use in different industries and client environments.
- Tested and validated programs to enhance applications and improve performance.
- Completed new development work and updates using multiple programming languages.
- Evaluated code to verify compatibility with browsers, devices, and operating systems.

### Senior Supervisor and Design Consultant

*August 2018 - March 2020*

Maker Space, Bridgewater State University | Bridgewater, MA

- Supervised a team of six employees
- Designed and maintained a multitude of campus-wide projects; designed and fabricated prosthetics for people in need; Consulted with professors and students on their independent projects, and worked to achieve their goal
- Assisted in the design and production of face shields to distribute free of charge to healthcare workers at the onset of the COVID-19 pandemic.

## **Professional Development Workshop Instructor**

*June 2022 - Current*

Wade Institute | Quincy MA

- Developed and led a hands-on & immersive professional development course built specifically for teachers. This course was designed to be a deep look into Sensors and Arduino, with the ultimate goal to enable teachers to implement what they have learned in a way that ultimately benefits students and the next generation.

## **Teacher (Chemistry and Computer Science)**

*September 2020 - June 2022*

Town of Holbrook, MA

- Created lesson plans and curriculum for Chemistry, Computer Science, and Engineering classes, developed a new curriculum that focused on manufacturing and 3D design
- Promoted students' technological development, regularly assessing progress with material and adapting strategies.
- Supported students' intellectual, physical, social, and emotional development with a supportive and learning-focused instructional environment.

## **SKILLS**

Java, Javascript, CSS, SQL, Typescript, 3D Printing (FDM, SLA), Prototyping, Kotlin, x86, AVR, AWS, Unit Testing, Adobe Photoshop and Illustrator, PHP, HTML, C++, NodeJS, Angular, CNC Mill/Lathe, Autodesk CAM, Autodesk HSM, Microsoft Office (Word, Excel), JUNIT, Arduino, Python, Express, C, Tensorflow, Program Design, Laser Cutting, CAD: Inventor, Fusion, Solidworks, Application debugging, Pytest, Raspberry Pi