

12 Draycoach Drive,
Chelmsford MA, 01824
(781) 777-3424

JAMES BARRETT

jamesbarrett@umass.edu
www.linkedin.com/in/james-
barrett-developer

EMPLOYMENT

Computer Technician **Isenberg Technology Service** **Fall 2021 – Present**

- Meet with users experiencing issues with Isenberg technology
- Resolve computer-isolated and user-specific problems, while collecting data and escalating systemic issues
- Instruct faculty on proper use of new technologies

Software Engineering Intern **Kessel Run** **Spring 2021 – Summer 2021**

- Collaborated with data scientists and other developers on shared code base as a member of the Enterprise AI Team
- Wrote code in a variety of languages to add to the project and create complimentary tests
- Implemented machine learning methods to track user data, assess their experience with our products, and improve experience in future
- Completed career development course on Docker and Kubernetes so I could be more useful in the cloud migration

EDUCATION

Amherst, MA **University of Massachusetts Amherst** **Fall 2021 – Spring 2025**

- Dual B.S. in Computer Science and Physics (expected graduation Spring 2025)
- Commonwealth Honors College
- Coursework: Physics Mechanics/Dynamics, Multivariable Calculus, Java Programming

TECHNICAL EXPERIENCE

Projects

- **Internet of Utilities** (Fall 2021). A full-stack application that used a Raspberry Pi, a camera, and a 3D-printed mount to check the status of hydration stations throughout UMass campus. Information from each device was posted to a MySQL database, which was read by an Express.js web app.
- The app's frontend was made with React, and it used Leaflet to display the information on a map. Project won Best Use of Hardware at HackUmass IX.

ADDITIONAL EXPERIENCE AND AWARDS

- **Eagle Scout:** The highest rank in the Boy Scouts of America program. Awarded for completion of eight-year journey instilling strong character, persistence, and personal responsibility.
- **Gold Medal Scholar:** Presented to the five students with the highest grade point average in their graduating class.
- **Kronos Give Inspired Scholarship Recipient:** Awarded for technical prowess in science and technology.

Languages and Technologies

- Java, Python, SQL, Docker, Kubernetes,
- HTML/CSS, JavaScript, Node, React,
- Visual Studio, Git, CI/CD,