

Haluk Yuzukirmizi *he/him*

Amherst, MA | [linkedin.com/in/hyuzukirmizi](https://www.linkedin.com/in/hyuzukirmizi) | 413-466-1910 | hyuzukirmizi@umass.edu

EDUCATION

University of Massachusetts Amherst

Amherst, MA

Manning College of Information & Computer Sciences

Graduation Date: May 2027

B.S. in Computer Science with minor in Business

GPA: 4.0/4.0

- Relevant Coursework: Object Oriented Programming, Data Structures, Reasoning Under Uncertainty, Calculus
- Awards: Dean's List Honors, Massachusetts High Demand Scholarship Recipient

EXPERIENCE

Undergraduate Research Associate

Amherst, MA

UMass Early Research Scholars Program

Sept 2024 - Present

- Conducting research on utilizing a computer vision model, DISCount, for counting objects in high resolution images while leveraging machine learning.
- Collaborating with diverse individuals under the supervision of Phd students and Prof. Subhransu Maji who is the co-director of Computer Vision Laboratory.
- Collecting and labeling image datasets, assessing the performance of DISCount by implementing importance sampling, introducing human assistance, and analyzing cost-accuracy trade-offs to optimize human-automation balance.
- Analyzing results using Python libraries (NumPy, Pandas, Matplotlib, etc.), leading team discussions and presenting the results to colleagues and professors.

Technical Assistant

Amherst, MA

Isenberg Technology Support & Service, UMass Isenberg College

Sept 2024 - Present

- Ensuring the functionality of 765 technological machines for 322 Isenberg faculty and staff.
- Responsible for morning sweeps to maintain tech environments in 60 classrooms and 5 computer labs for 5,000+ students and assisting with event setups.
- Managing account database and permission policies in Active Directory with over 32,000 entries.
- Resolved more than 50 customer tickets via streamline service system ServiceNow.

Technical Assistant

Amherst, MA

UMass W.E.B. Du Bois Library Technology Services

Oct 2023 - May 2024

- Provided help to maintain the functionality of devices such as printers, terminal servers and more than 300 computers through 26 floors of the library.
- Organized and enhanced the registry database in Microsoft Access by coding refined filters.
- Performed imaging and OS installation procedures using KACE for both newly purchased and existing devices.

PROJECTS

Maze Runner

- Built a Python-based game project in which you feed the search algorithm with a list of rooms and it explores through room objects by following each room's links and visits all of the rooms in the input maze stack by keeping different lists of visited rooms and escape rooms.

Web Page Sorting

- Developed a Java-based sorting algorithm to categorize web pages into desired list types, iterating through lists with custom iterators, comparing web page records using various comparators, hashing and storing them in hashmaps, while constructing implementations of data structures with generic abstractions and instance methods from scratch.

LEADERSHIP

UMass Entrepreneurship Club

- Won \$2,000 in total as first-place winners in both the Fall 2023 and Spring 2024 ULaunch pitch competitions.
- Developed a shopping web page in Fall 2023 to promote local hydroponic agriculture and to connect producers with consumers.
- Created an app concept in Spring 2024 connecting UMass Dining Commons with students for prepaid dining swipe orders and peer-to-peer delivery with commission-based payments.

SKILLS & INTERESTS

Programming Languages: Python | Java | C

Tools: Microsoft Office(Access, Excel, PowerPoint) | ServiceNow | KACE | AD | Figma | Visual Studio Code