

# Jake Reid

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## EDUCATION:

### University of Massachusetts Amherst - Commonwealth Honors College

*Candidate, May 2026*

Bachelor of Science, Major in Computer Science, Minor in Business

**GPA:** 3.73

**Relevant Courses:** Machine Learning, Database Management, Artificial Intelligence, Web Programming, Data Structures, Programming Methodology, Computer System Principles, Computation, Calculus 3, Linear Algebra, Reasoning Under Uncertainty, Physical Computing

**Awards:** Outstanding Leadership in Computer Science, Dean's List

## PROJECTS:

### Mental Health Journal

*August 2023*

- Developed **Java** application to provide an easy way for those enrolled in counseling services to monitor their mental health over time and to share key information with mental health professionals
- Implemented **Swing GUI toolkit** to have users fill out a form similar to the PHQ-9, which assists professionals in the detection of depression, anxiety, and other mental health conditions
- Analyzes user inputs by generating a report to an output file

### Go Run!

*December 2023*

- Developed **Typescript** application that gave users a summary and a "score" of running conditions outside
- Utilized the Open-Meteo weather **API** to provide weather information for the user's current location

## SKILLS:

**Programming Languages:** Python, Java, SQL, Javascript, Typescript, C, HTML, CSS, Arduino, Assembly

**Software & Tools:** Scikit-Learn, Jupyter Notebooks, Visual Studio Code, Git, PostgreSQL, Microsoft Office, Windows, Linux, Systems Programming, Network Programming

**Technical Interests:** Machine Learning, Software Engineering, Biomedical Computing, Full Stack Development

## WORK EXPERIENCE:

### Head Lifeguard, East Longmeadow Recreation Department

*May 2021 - August 2023*

- Enforced water safety rules and regulations for **150+** daily patrons to prevent aquatic emergencies
- Trained over **50%** of staff members on facility protocols through exercises and drills
- Established positive relationships with coworkers and visiting families to create a welcoming environment
- Maintained pool chemicals, water clarity, and water features once every two hours to ensure the safety and cleanliness of the facility

### Swim Instructor, Self Employed

*May 2023 - August 2023*

- Taught **100+** private lessons to students aged 2-18 to develop swimming, diving, and safety skills

## EXTRACURRICULAR ACTIVITIES:

### Social Events Chair, FreshCICS

*September 2022 - May 2023*

- Organized and set-up events to develop a sense of community and belonging for first-year CS students
- Chaired committee of **10** other students and led meetings to plan for upcoming events
- Managed official FreshCICS Instagram account, which saw a **50%** increase in followers over 2 semesters
- Promoted organizations within the College of Information and Computer Sciences, growing first-year involvement

### Secretary, UMass Club Swimming

*December 2023 - Current*

- Organize a large competitive swim team of approximately 100 swimmers
- Utilize **Excel** to manage swimmer waivers, liability forms, and team rosters
- Design and purchase semester apparel to be distributed to team members