

JAVIER RODILLAS

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Education

Bachelor of Arts: Computer Science Major, Expected graduation in 06/2026

Dartmouth College - Hanover, NH

- Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Software Design and Implementation, Machine Learning and Statistical Analysis

Projects

Collaborative Graphical Editor – Fall 2023

- Built a graphical editor in Java utilizing the Swing library for GUI development, with a client-server architecture, allowing real-time synchronization of multiple users editing a shared sketch.
- Demonstrated skills implementing distributed systems for real-time collaboration, managing multi-threading, defining message passing protocols, ensuring real-time data synchronization.

Tiny Search Engine – Winter 2024

- Developed a functional, small-scale search engine capable of processing web pages, handling user queries, and returning relevant results.
- Utilized web scraping techniques, design and implemented software architecture.
- Demonstrated proficiency in C, Git and the Linux operating system for efficient development and version control.

Professional Experience

Climbing Gym Manager, 09/2022 to Current

Dartmouth College – Hanover, NH

- Manage staff of 40 people, ensuring gym is properly staffed and safe for climbers
- Oversee budget allocation and tracking, optimizing resources for the climbing gym.
- Lead hiring processes, onboarding, and scheduling.
- Collaborate with external organizations, including the climbing team, People of Colors Outdoors Club, and Viva Hardigg Outdoors Club, fostering inclusivity.

Coach and Route Setter, 12/2022 to 08/2023

Ape Index Rock Climbing Gym – Peoria, AZ

- Coached recreational (ages 5-11) and competitive (ages 12-18) youth climbing teams.
- Designed and set climbing routes for USA Climbing competitions, open civilian events, and youth programs, collaborating with a team of setters to ensure gym-wide route variety and execution.
- Organized and led outdoor climbing trips and managed logistics for USA Climbing competitions, ensuring a positive and safe team environment.

Skills

Proficient in C, Java, Python3, JavaScript, HTML, Git and the Linux Operating System