

Alexander Trokel

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Entry-Level Software Engineer | Versatile Computer Science Grad with Leadership Expertise

Computer science graduate proficient in Java and Python with a unique combination of technical skills, leadership, and communication abilities. Practical experience in software coding projects and leading teams. Excels in writing maintainable code, website development, and navigating complex engineering challenges.

Core Qualifications

Java and Python Programming	Data Structures and Algorithms	Object-Oriented Programming
Database Management Systems	Website Development	Code Debugging and Testing
Interpersonal Communication	Teamwork and Collaboration	Problem-Solving and Leadership

Software Engineering and Leadership Experience

- Gained extensive Java experience through 10+ academic projects and a teaching assistant role for 200+ students, coaching and troubleshooting Java concepts for introductory data structures and algorithms.
- Self-taught Python programming and coding, successfully completing 20+ assignments and 2 projects.
- Committed to continuous improvement in writing clean, efficient, and organized code for 30+ projects, adhering to industry standards of object-oriented programming and leveraging comments for clarity.
- Proficient in HTML/CSS, including JavaScript. Adept at creating functional websites (sports blog and personal website) utilizing Python (Flask), HTML, CSS, JavaScript, MongoDB, and PHP.
- Planned and executed fundraising efforts as leader of a sailing club. Negotiated quotes from suppliers and secured funds from alumni to purchase boat covers to successfully protect \$50K in boat inventory.

Coding Languages

- Java; Python; C/C++; HTML; CSS; JavaScript; Swift; R; Ruby

Education

Bachelor of Science | Computer Science | University of Rochester | May 2023

Additional Work Experience

- Teaching Assistant - University of Rochester: Data Structures and Algorithms Jan 2022 – May 2022
- Teaching Assistant - University of Rochester: Computer Networks Sep 2022 – Dec 2022
- President - Sigma Nu Fraternity: University of Rochester Feb 2021 – Jan 2022
- Vice Commodore & Business Manager: University of Rochester Sailing Club Jan 2021 – Dec 2022
- Camp Counselor | Sailing Director | Lifeguard: Camp Mah-Kee-Nac Jun 2017 – Aug 2024