

Sebastian Barry

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Summary

- Computer Science graduate with extensive industry-level experience through self-led internships.
- Proven track record of increasing user engagement and improving efficiency of existing workflows.
- Excellent leader, effective communication in project management tools, and cross-timezone collaboration skill.

Technical Skills

- Data Structures • Algorithm Design & Analysis • Javascript/Typescript • MongoDB
- iOS/Android Development • Java • Machine Learning/AI • Git • Python

Related Professional Experience

Software Engineering Intern, NREL (National Renewable Energy Lab), Golden, CO Seasonal May 2022–Present

- Analyzed project requirements and user requests through self-led face-to-face stakeholder meetings.
- Resolved over 20 front/back-end issues through pull requests, testing, and detailed/documented collaboration.
- Restructured the data model in a highly-complex travel-data analysis pipeline server.

UI/UX Intern, Trimble, Westminster, CO May 2023–August 2023

- Implemented a highly efficient differential/incremental database load script using Google Apps Script/Javascript.
- Analyzed requirements and user needs through self-led stakeholder meetings.
- Designed an intuitive user experience for a knowledge base document searching website.

Education

Computer Science Bachelors of Science December 2023

University of Colorado Denver (GPA: 3.72/4.00)

- Relevant coursework include: Web API, Artificial Intelligence, Cybersecurity Programming & Analysis, Embedded Systems & Internet of Things, and Data Mining & Database System Concepts.

Related Projects

Course Dragon, *Team Leader*, Senior Design Project Fall 2022–Spring 2023

- Spearheaded a 4 person team making effective use of design patterns and project management tools.
- Analyzed requirements and advisor/student needs through self-led stakeholder meetings.
- Designed and developed a web application that garnered widespread positive adoption among classmates.

Additional Work Experience

Coding/Math Tutor, TutorDoctor, Littleton, CO March 2021–December 2021

- Created 11 customized learning plans for primary and college level students in AP Computer Science and math.
- Developed personalized homework-completing and attention-keeping habits for students.

L2 Technician, C Squared Computer Consulting, Littleton, CO July 2019–May 2022

- Supported 100+ clients through creating automated Powershell scripts, engineering networks, and remote-troubleshooting.
- Trained 5-10 new technicians on troubleshooting and client-communication skills.

Professional Associations / Student Organizations / Leadership Experience

Member, ACM - CU Denver Chapter August 2022–December 2023

- Participated in weekly discussions, seminars, and group-led practice coding problems.

Event Organizer, Bits and Bytes Club - Teaching young kids how to code August 2018–May 2019

- Led a panel teaching young 6-10 year old students how to control a light on a circuit board using code.

PR Director, Technology Student Association – Heritage High School Chapter August 2017–May 2019

- Competed in the 2018 and 2019 Colorado State Conference in software engineering and music production.
- Utilized social media and poster campaigns to attract and engage over 20 new members.