

ANDREW HOCKSTEIN

Software Developer/Business Analyst

PROFESSIONAL SUMMARY

Full-stack Software Developer with experience delivering scalable web apps, internal tools, and optimized databases using React, TypeScript, Node.js, Angular, Python, and SQL. Adept at debugging complex systems, contributing across the stack, and thriving in Agile teams. Known for adaptability, initiative, and cross-functional collaboration.

EDUCATION

BA IN COMPUTER SCIENCE, MINOR IN DATA SCIENCE

University of Colorado Boulder

Sep 2019 - May 2023

Boulder, CO

GPA: 3.4

Relevant Coursework: Data Structures, Algorithms, Software Development, Systems, HCI, Programming Languages

MAY 2019

The Westminster Schools

Atlanta, GA

EMPLOYMENT HISTORY

SOFTWARE DEVELOPER I

Lumen Technologies

Jun 2023 - Apr 2025

Remote (Based in Denver, CO)

- Developed and maintained Bifrost, an internal application for field technicians, improving daily operations using React, TypeScript, Node.js, and Python
- Diagnosed and refactored key components of "NAT," an Angular-based internal tool, boosting system reliability and enabling faster resolution across cross-functional teams
- Managed and optimized internal databases via Microsoft SQL Server Management Studio, ensuring data integrity and performance for backend systems

ANALYST INTERN

Lumen Technologies

Jun 2022 - Aug 2022

Broomfield, CO (Hybrid)

- Participated in multi-day internal strategy conferences to observe executive decision-making and learn how Lumen leverages data in large-scale operations
- Completed extensive online training modules on network infrastructure, cybersecurity, cloud platforms, and business intelligence tools
- Shadowed cross-functional analytics teams to understand how insights are extracted from operational and customer data
- Gained exposure to KPIs and performance metrics used across marketing, finance, and technology teams to guide strategic initiatives

COMPUTER TECHNICIAN

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May 2021 - Aug 2021

Louisville, CO

- Repaired and tested approximately 750 Chromebooks for the Colorado School System, preparing devices for the academic year
- Configured laptops with OS updates and security protocols for large-scale deployments
- Utilized inventory tracking software to manage hardware assets and streamline logistics

COURSE ASSISTANT

University of Colorado Boulder

Sep 2020 - May 2021

Boulder, CO (Hybrid)

- Provided 1-on-1 and group guidance in CSCI 2270: Data Structures, covering topics like recursion, linked lists, and trees
- Held office hours assisting 10+ students per session using C++ and whiteboarding techniques
- Supported weekly recitations by reviewing material and facilitating peer learning under TA supervision

SKILLS

React, TypeScript, Node.js, Angular, SQL, SQL Server Management Studio, C, C++, Java, Python, JavaScript, HTML, CSS, Scala, Assembly, PostgreSQL, Docker, GDB, GitHub, Agile, Debugging.

TECHNICAL PROJECTS

Ski and Snowboard Trip Planner Website

- Collaborated with 3 teammates to build a trip-planning web app using React, Node.js, Bootstrap, and PostgreSQL
- Implemented features for resort comparisons, live condition checks, and trip planning tools
- Participated in Agile sprints and debugging sessions to ensure stable and user-friendly functionality

Bomb Lab Reverse Engineering Challenge

- Reverse-engineered an x86 assembly 'bomb' by analyzing compiled code and identifying logic traps
- Used GDB to inspect control flow, registers, and memory to debug low-level errors
- Strengthened understanding of disassembly, debugging strategies, and machine-level programming

LEADERSHIP

FOUNDER & EXECUTIVE BOARD MEMBER, DELTA SIGMA PHI

- Co-founded CU Boulder's Delta Sigma Phi chapter, growing from 8 to 40+ members through strategic recruitment, marketing, and events
- As Executive Board member, led operations, organized leadership development, and supported philanthropy efforts
- Currently mentor undergraduates as part of the Alumni Control Board, focusing on governance and member growth