

Andrew Belcher

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EDUCATION

University of California, Santa Cruz

Sep. 2022 – Jun. 2026

B.S. Technology and Information Management, B.A. Business Management Economics

- **GPA:** 3.82/4.0
- **Relevant Coursework:** Data Structures and Algorithms, Computer Systems and C Programming, Programming Abstractions in Python, Computer Systems and Assembly Language, Linear Algebra, Statistics for Business and Economics, Business Information Systems

EXPERIENCE

Undergraduate Research Assistant

Jan. 2024 – Present

University of California, Santa Cruz

- Studying spiking neural networks under Prof. Jason Eshragian and the Neuromorphic Computing Group
- Creating interactive tutorial using PyTorch and SNN_Torch to model economic data.
- Assisting with maintenance of open source Python library, SNN_Torch.

Group Tutor - Beginning Programming in Python

Sep. 2023 – Present

University of California, Santa Cruz

- Conducted rigorous code reviews, improving code quality. Resulted in a significant reduction in common programming errors among students.
- Held study sessions to break down fundamental programming concepts into digestible parts.
- Optimized group tutoring sessions, increasing coverage of essential topics without compromising individualized support.

Service Desk Team Member

Nov. 2021 – Present

Target

- Utilize problem solving skills to settle return disputes with excellent customer service.
- Collaborate with fellow employees to create a positive experience for guests while maintaining efficiency and profitability.
- Maintained tidiness and organization through hundreds of returns a day.

PROJECTS

SlugPlan | *Python, JavaScript, Supabase, SQL*

- Developing a web app for students that will dynamically create a 4-year course plan based on major, previous courses, and various other factors.

Personal Website | *HTML, CSS, JavaScript*

- Created a responsive website to showcase my resume.

Shift Notification Bot | *Python, Selenium*

- Fully developed and designed a program to automatically notify me of posted shifts at my part-time job.
- Automated the periodic extraction of a JSON Web Token for authorization using Selenium Webdriver.
- Utilized the requests module to contact API, and the datetime module to format JSON data.

SKILLS

Languages: Python, C, C++, HTML5, CSS, SQL

Frameworks/Libraries: pandas, numPy, Selenium, scikit-learn, Matplotlib, PyTorch, SNN_Torch

Tools: Git, GitHub/GitLab, VS Code, vim

Operating Systems: Windows, Linux

INTERESTS

Mountain/road biking, competitive tennis, guitar, and anything outdoors!