SHELBY MYRMAN

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EDUCATION

University of California, San Diego (UCSD)   *March 2026 (expected)*
MS Computer Science
University of California, Santa Barbara (UCSB)   *June 2020*
BA Statistical Sciences and Economics (double major) | GPA: 3.92
Honors: magna cum laude, Academic Excellence Award, Dean's Honors (9 quarters)

PROJECTS

Learning Development System
- Creating a learning development system that enables teachers to upload problem sets and uses LLMs to guide students to the correct answer. The teachers then receive unique feedback on how they can tailor instruction to individual learning styles and specific concepts to focus on (Gemini API, TypeScript, React, Express.js, Firebase)

Blackjack
- Created and deployed a blackjack game following standard casino rules, complete with betting functionality that tracks across game rounds (Python, Flask, JavaScript, HTML, CSS)

Language Detector
- Built and deployed a web service that detects the language of input text. The service includes language models created by scraping and processing public domain books into n-grams, and it then uses the language models to identify the input language (Python, Flask, HTML, CSS)

PROFESSIONAL EXPERIENCE

UX Writer/Marketing Writer | Paperwork | *San Diego, CA*   *Sept. 2022-April 2024*
- Wrote and edited more than 30 modules to provide financial advice to users in an easy-to-understand, conversational flow within the mobile app; Assisted software engineering team with logic related to modules
- Performed weekly QA testing across the app; provided engineering team with detailed reports on bugs and errors

Communications and Content Specialist | FlowRider, Inc. | *San Diego, CA*   *Jan. 2022-Sept.2022*
- Managed the redesign of flowrider.com and assisted in the development of product and venue pages using WordPress, HTML, and CSS; resulted in a 30% increase in website traffic
- Created monthly marketing analytics reports for stakeholders using Excel to measure social and website engagement

Data Science Intern | Swift | Portland, OR   *June 2019-Sept. 2019*
- Scraped 100,000+ social posts with Crimson Hexagon and performed sentiment analysis on our client's users using Python; made recommendations to improve public impression
- Overlayed census data with ArcGIS to find high-income, family-oriented neighborhoods for the nonprofit Portland Backpack to target with guerilla marketing campaign

Grader | UCSB Dept. of Probability and Statistics| *Santa Barbara, CA*   *Sept. 2017-June 2019*
- Graded and provided feedback on homework, tests, and labs for over 100 students per quarter in data science courses

SKILLS

Languages: JavaScript, TypeScript, Python, Java, C++, SAS, SQL, R, HTML, CSS
Tools: Open AI, Gemini, Firebase, PyTorch, TensorFlow, ArcGIS, Tableau, Git, Linux, Node.js, Express.js, React, Flask, Excel, Figma