

Sebastian Oberg

Website: people.tamu.edu/~sebastianoberg2002/

LinkedIn: [linkedin.com/in/sebastian-oberg](https://www.linkedin.com/in/sebastian-oberg)

Email: sebastianoberg2002@tamu.edu

Mobile: +1-210-367-6014

EDUCATION

Texas A&M University

B.S. Computer Science, Minor in Cybersecurity & Statistics

Expected Graduation: August 2024

GPA: 3.2/4.0

Relevant Coursework: Data Structures and Algorithms, Database Systems, Machine Learning, Reverse Software Engineering, Computer Architecture

Clubs and Organizations: Aggie Coding Club, Aggie Competitive Programming Club, Texas A&M Cybersecurity Club, Texas A&M Aggieland Mariachi

SKILLS

Programming Languages & Technologies: C/C++, Python, Java, SQL, HTML, CSS, JavaScript, Bitbucket, Jira, Git

Software Concepts: Object-Oriented Programming, Data Structures and Algorithms, Agile Software Development

Certifications: 30-Hour OSHA Outreach Training Course for General Industry

CAD Software: Proficient in AutoCAD and Inventor

Microsoft Office: Word and Excel

WORK EXPERIENCE

Midronome

Software Engineering Intern

Aarhus, Denmark

April 2023 - June 2023

- Developed an Error Log Extractor and fixed issues related to software closure and communication between the computer and Midronome hardware
- Contributed to a Firmware Updater by addressing data transmission issues between the OS and the Midronome hardware, ensuring data accuracy and reliability
- Worked on a Sync File Generator to optimize the algorithm for converting files to .wav format, to enhance the efficiency of the file conversion process, and implement a GUI to support tempo automation

Texas A&M University

Undergraduate TA & Grader for Math 151 (Calculus I)

College Station, Tx

Aug 2021 - December 2021

- Grade assignments, quizzes, and exams within a timely manner
- Hold office hours for students seeking assistance
- Plan and teach labs

PROJECTS

The Alley POS System

September 2023 - October 2023

Desktop Application

- Crafted a comprehensive Point-of-Sale application to assist with sales, order management, and inventory tracking, delivering a streamlined solution for daily operations
- Leveraged Java and JavaFX technologies with FXML for designing a responsive and intuitive user interface, enhancing user experience and operational efficiency
- Integrated robust database interactions using PostgreSQL and employed Object-Oriented Programming techniques, ensuring reliable data management and modular product categorization

Personal Portfolio

August 2023 - September 2023

Website

- Developed an interactive portfolio website to showcase personal projects and professional experiences
- Utilized pure JavaScript for dynamic content manipulation, enhancing site interactivity and responsiveness
- Designed an aesthetic and mobile-friendly user interface leveraging CSS techniques to ensure a seamless experience across devices

Website Content Scraper

August 2023 - September 2023

Web Crawler in Visual C++

- A Visual C++ web client that crawls and parses URLs, efficiently displaying server/page statistics and reporting connection errors
- Using HTTP 1.0, the client obtains pages of any length through dynamic buffer expansion and provides detailed error messages for various network issues
- Prioritized robust coding, ensuring resilience against unexpected internet responses, and eliminating risks like deadlocks and buffer overflows