

# JAMES STROBEL

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## Education

### Brigham Young University

*Bachelor of Science in Computer Science*

**June 2022 – December 2023**

*Provo, Utah*

### Brigham Young University-Idaho

*Bachelor of Science in Computer Science*

**August 2024 – Present**

*Rexburg, Idaho*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- iOS Development
- Systems Programming
- Computer Systems
- Database Management
- Internet Technology
- Mobile Development

## Experience

### Software Engineering Intern

*Envelope Money*

**March 2024 – June 2024**

*San Francisco, CA*

- Collaborated with a team of 5+ developers to design and implement the front end of a mobile app using Flutter framework.
- Designed and implemented a fully responsive hamburger menu using HTML, CSS, JavaScript, and ReactJS enhancing user navigation on both mobile and desktop platforms; the feature is currently used by over 5,000 users on Envelope
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Participated in code reviews and improved coding practices based on feedback from senior engineers.

### Database Assistant

*Teton Radiology*

**August 2019 – March 2022**

*Idaho Falls, ID*

- Processed entire inventory of physical reports onto a medical database using SQL
- Improved efficiency by 2x of processing reports by discovering a new way to process all reports at once instead of separately, resulting in processing reports twice as fast as the previous employee
- Provided support to the IT department, helping with tasks such as software installation, computer setup, system cloning and system configuration
- Explored ways to visualize and send a report of test results to systems administrators using HTML, Javascript, and CSS.

## Projects

### Scheme Language Interpreter | *Python*

**January 2023**

- Tokenized Scheme language input using Python, breaking down the code into its fundamental components like symbols, numbers, and parentheses.
- Implemented key features such as recognizing different data types (numbers, symbols, strings) and handling Scheme syntax like parentheses and operators.
- Developed a basic interpreter framework that converts Scheme source code into tokens for further processing and evaluation.
- Built a command-line interface allowing users to input Scheme code and receive tokenized output in real time.

### AWS-Hosted Personal Website | *HTML/CSS, JavaScript, AWS*

**October 2024**

- Built and deployed a responsive personal portfolio website using HTML, CSS, and JavaScript.
- Hosted the website on AWS, ensuring high availability and scalability.
- Integrated modern design principles to showcase projects, skills, and professional experience.
- Implemented optimizations for performance and to enhance visibility and user experience.

## Extracurricular

- **Major League Hacking 2024 (MLH):** Participated in MLH Hackathon 2024
- **Computing Society:** Student group providing workshops, coding events, and networking for tech skills and career development.
- **Web Design-Development Club:** Student-Led club to enhance web development skills