

SJ Stroud

stroudafk@gmail.com | (512) 584-1493
<https://github.com/stroudafk>
San Marcos, TX 78666

EDUCATION

Texas State University

Bachelor of Science in Computer Science

Expected Dec 2023

San Marcos, TX

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Assembly Language, Computer Architecture, Computer Vision, Algorithm Design and Analysis, Parallel Programming.

RELEVANT EXPERIENCE

SpExoDisks | Texas State University

Frontend Developer

May 2023 – Present

San Marcos, TX

- Utilized React to independently determine and implement points of UX improvement.
- Met with team weekly to present progress and discuss blocks and assess scalability of ongoing projects.
- Revised and refactored poorly implemented code that impeded future projects.

Meta

Meta Software Engineering Intern

May 2022 – Aug 2022

Seattle, WA

- Used React and Hack to develop a UI for our ML sister team to schedule ML pipelines without code.
- Created configuration standards/conventions so that pipelines may be updated and added to with the UI.

Facebook

Facebook University Intern

Jun 2021 – Aug 2021

Menlo Park, CA

- Used Objective-C to develop an iOS app to help professionals share products to maximize productivity.
- Met with manager frequently to discuss progress on required skills and stretch goals.
- Utilized debugging skills to create a faster user experience and minimize true latency.

SOFTWARE PROJECTS

Guided Projects (Objective-C)

- Built tip calculator app that can be used to quickly calculate tip percentages for a set of default modes.
- Integrated the Movie Database API which users can browse new releases or a detailed view of movies.
- Created global feed media sharing application, powered by the Parse Platform.

Personal JavaScript Projects

- MIPS Disassembler v1.0: Created a webtool with Javascript and HTML/CSS that takes a text file of 32-bit binary sequences and returns a list of the corresponding MIPS instructions.
- MIPS Disassembler v1.1: Improved on the above implementation's algorithm as the deliverable of a school group project which provides a way to accept object files, and features a more user friendly UI.

TECHNICAL SKILLS

Languages: Experienced in C++. Familiar with Java, Objective-C, HTML/CSS, and JavaScript.

Other Frameworks & Technologies: Linux, Git/GitHub, AFNetworking, and Parse Platform.

EXTRACURRICULARS

.EXE: The Computer Science Club

President

Sep 2020 – Present

San Marcos, TX

- Solved 3-4 technical problems a week with a focus on analyzing speed and efficiency.
- Collaborated with a graduate student mentor to provide problem solving techniques for students.
- Created a platform for TXST students to access the resources that may be necessary for career readiness, including hosting industry guests, and technical problem solving and resume workshops.
- Manage all paperwork for the club from registration requirements to facility requests.