Hudson Whipple

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EDUCATION

University of Texas at Austin   **Expected Graduation May 2026**

B.S., Computer Science, GPA 3.6

Relevant coursework completed: Data Structures & Algorithms, Discrete Math, Computer Organization & Architecture, Operating Systems, Elements of Statistics, Software Engineering

Pursuing a certificate in Applied Statistical Modeling

PROJECT EXPERIENCE

Pintos (Operating System) – C   **Spring 2024**

- Implemented an Operating System that supports kernel threads, loading/running user programs, and file systems.
- Employed synchronization, priority donation, and page replacement algorithms to ensure performance and stability.

System Emulator – C   **Fall 2023**

- Built the 5 software stages of a processor using the PIPE method. This design efficiently performed actions using value forwarding and populating every level constantly.

WORK EXPERIENCE

CodeAssist – UT Austin Comp. Sci Department   **Summer 2024**

Software Engineer   *Austin, TX*

- Independently implemented core methods for submission and course management in the full stack system of an auto grader.
- Improved the testing system for the backend using endpoints.

GMango   **Summer 2024**

Software Engineer Intern   *Remote/Bellevue, WA*

- Assisted in development to establish platform reliability on website and mobile applications for the tracking of dental health, payment processing, and account details.
- Developed referral system generated in the backend for a pivotal marketing strategy.
- Designed and integrated the mobile app and website UI through Figma.

LEADERSHIP EXPERIENCE

The Church of Jesus Christ of Latter-day Saints   **Jul 2021 – Jul 2023**

Full-time Volunteer Representative   Madrid, Spain

- Led and motivated groups of 28 peer volunteers to achieve monthly goals.
- Improved outreach efforts to the community with monthly training sessions.

SKILLS & EXTRACURRICULAR

- Programming Languages: Java (proficient), Python (proficient), C (proficient), JavaScript (novice)
- Experience in HTML, React, Flask, and PostgreSQL
- Spanish fluency, written and verbal
- Member, Hispanic Association of Computer Scientists (HACS)