

James Vanderburg

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OBJECTIVE

Summer internship position in software engineering with full-time employment opportunities after graduation.

EDUCATION

Texas A&M University, College Station, Texas — Fall 2015-Present

Bachelor of Science in Computer Science, Expected Graduation: May 2019

Major GPA: 3.481

Overall GPA: 3.465

Relevant Coursework

Data Structures and Algorithms

Discrete Structures for Computing

Computer Organization

Technical Writing

Software Engineering (in progress)

Programming Languages

Introduction to Computer Systems

Programming Studio

Design and Analysis of Algorithms (in progress)

EXPERIENCE

Waiter, El Norte Grill; Plano, Texas — May 2016-Present

Worked waiting tables, bartending, and hosting, exclusively during summers.

SKILLS

- Currently building a Rails application for Fish Camp (Texas A&M's freshman orientation program) to automate and streamline their application review process.
- Constructed a web-based mashup application utilizing APIs from Google Maps, Indeed, and Zillow to facilitate intelligent geographic job and housing searches for people looking to control their commute time. Constructed with HTML5, JavaScript, jQuery, CSS, and PHP.
- Built a fully functional computer starting from first principles. Learned how to construct basic logic gates, as well as arithmetic, logic, and sequential chips; realized a simple architecture through an intuitive machine language supported with higher abstractions of Virtual Machine and High-Level OOP Language.
- Wrote an interpreter in Ruby to convert assembly instructions to binary instructions.
- Wrote a simulator for FCFS, SJF, Round Robin, and Multi-Level Priority Scheduling Techniques.
- Simulated various forms of producer-consumer interactions using POSIX threads, synchronization primitives, IPC communication, and network communication.

ACTIVITIES

Trombone, Texas A&M Hullabaloo Band — Fall 2015-Present

The official pep band of Texas A&M University, supporting Volleyball and Men's and Women's Basketball at all regular season home and postseason tournament games.

Trombone, Texas A&M Jazz Ensemble — Spring 2017-Present

One of two jazz ensembles at Texas A&M performing multiple concerts on campus and in the Bryan-College station area each year.