

EducationUniversity of Texas at Austin

B.S. in Computer Science

Expected Graduation Date: May 2018

Overall GPA: 3.5 Major GPA: 3.76

Academic ProjectsIDB (weebmd.me)

- Followed Extreme Programming methodology to design a dynamic web application that emulates IMDB to provide information about Japanese media
- Required the learning of various new tools in a limited time frame to meet project specifications such as ReactJS and Semantic UI

AES-256 Encryption

- Coded an implementation of the federal standard AES-256 commercial block cipher algorithm in Java to efficiently encrypt and decrypt arbitrarily-sized data files

Pintos

- Optimized and added functionality to a toy operating system including support for thread priority scheduling, user program argument passing, virtual memory, and a multi-level indexed file system

ARL Cost Transfer Request

- Collaborated with a team to design and build an application demo for the university affiliated research center
- Involved constructing data models according to a proposal document, generating corresponding DDL and DML files, and implementing application features like hash function update regions

Personal ProjectsSaucebot

- Designed and deployed an automated system to process and generate content for major online social networking platform in Python

SauceNAOPy

- Created a Python API wrapper to provide extended functionality and friendlier interface for a reverse image search service

Completed and Current Coursework

- Data Structures
- Data Management
- Software Engineering
- Algorithms and Complexity
- Computer Networks

OrganizationsMobile App Development (MAD)

Fall 2016

- Attended hands-on Android application development workshops and followed instructor-led lessons to create simple Android apps in the IDE, Android Studio

SkillsProgramming Languages:

- Proficient: C, Java, Python

Web Development Languages:

- Familiar: HTML, CSS, JavaScript, ReactJS

Database:

- Familiar: SQL

Awards

Tracor/Frank McBee, Jr. Scholarship Endowment

2017-2018