HUGH BOY

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EDUCATION

The University of Texas at Arlington *May 2021*
B.S. in Computer Science
Overall GPA: 3.93
Deans List: 2018 - 2020

EXPERIENCE

UTA TexPrep June 2018 - August 2018
Program Assistant *Arlington, TX*

· Assisted Instructor in computer programming activities.
· Wrote template code for daily activities.
· Guided students in their learning experiences.

SKILLS

Computer Languages	C, C++, Node.js, SQL, HTML5, JavaScript, Java, Python
Tools/Platforms	Linux, Bash, Git, Make, Web, Google Cloud Platform
Highlighted Coursework	Databases, Algorithms and Data Structures, Operating Systems, Parallel Processing, Computer Networks, Theoretical CS
Interests	Algorithms, Discrete Math, Computation
Personal	Abstract Thinker, Self Learner, Team Player, Proficient in Spanish

PROJECTS

Blaze OJ	· Worked with a team to create online competitive programming platform. · Created an automatic deployment system using AWS and CircleCI. · Created a JWT user authentication system using Flask and MongoDB.
MFS Filesystem Explorer	· Navigated and interfaced with a FAT32 filesystem image.
Chat Application	· Built a networked chat application using C++ and Asio. · Created and connected a GUI client using ncurses. · Supported multiple chatrooms per server, user blocking, etc.
Doctoral Database	· Created ER diagrams from a description of data requirements. · Chose an appropriate relational schema in which to store the data. · Created a MySQL database and performed various SQL queries.
Parkinator	· Analyzed images for free parking spots using computer vision. · Created API endpoints for mobile app to query.

AWARDS

Best Use of APIs	*HackSMU 2019*
Best Use of Virtual Reality	*HackSMU 2019*
Best First Time Project	*HackUTA 2018*