

Travis Dula

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Education

The University of Texas at Dallas

Bachelor of Science in Computer Science and Economics

Richardson, TX

August 2020 - May 2024

- Honors programs: National Merit Scholars, Collegium V, CS²
- Relevant coursework: Computer Networks, Operating Systems, UNIX, Advanced Algorithms, Artificial Intelligence, Machine Learning, Databases, Software Engineering, Probability & Statistics, Automata Theory, Digital Logic

Skills

Frameworks & Tools TailwindCSS, ReactJS, AWS, Git, GitHub, Linux, Jenkins, Kafka

Languages Python, C, C++, Java, HTML, JavaScript, TypeScript, Racket

Experience

Capital One

Plano, TX

SWE Intern

June 2022 - August 2022

- Worked with three other interns to create a full-stack application to allow entry of modernization metrics
- Developed an AWS Lambda in Python to fetch metrics from a REST API and produce metrics to an Apache Kafka stream
- Configured Jenkins pipeline with in-house tool to automate testing, code quality checks, and deployment

Projects

BetterMDb

Competitive Summit Entry

TypeScript, ReactJS, TailwindCSS

June 2021

- Developed for the highly selective Capital One Software Engineering Summit achieving acceptance into the program
- Architected a mobile-friendly Open Movie Database search engine using ReactJS and TailwindCSS

Comparison of Online Portfolio Selection Algorithms

ACM Research

Python, Matplotlib, NumPy

February 2021 - May 2021

- Worked with three other students and a mentor under the guidance of a faculty advisor
- Analyzed and implemented nine portfolio selection algorithms
- Presented our research before our peers and a faculty panel

RTSC ERCOT Tracker

Personal Project

Python, Requests, Matplotlib, Beautiful Soup

February 2021

- Developed a tracker and visualizer for ERCOT data during power grid instability in Texas
- Handled errors to make the program reliable even over unstable internet
- Graphed supply, demand, and their difference for the power grid

Extracurriculars

Community Bible Chapel

Richardson, TX

Audiovisual Assistant Director

2016 - Present

- Served on an Audio and Visual (AV) team of three people as an acting director to preform weekly set up and services
- Teach others how to operate audio controls, manage visual displays, and run the livestream for an audience of 260+ people
- Troubleshoot issues with audio buzz, poor sound quality, and livestream instability

Honors & Awards

2021 **EOG Resources Winner**, designed an allocation optimization algorithm and web app with a team of four

HackUTD

2021 **Summiteer**, accepted into Capital One's competitive Software Engineering Summit

Capital One

2020 **Computing Scholar**, one of the 30 students admitted to CS² annually

UT Dallas