

Logan Jackson

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EDUCATION

The University of Texas at Dallas, Richardson, TX
Bachelor of Science, Computer Science

Expected Graduation May 2024
0.10 GPA

SKILLS

- **Languages:** Python, Java, C++, JavaScript, Typescript, C#, Haskell, Rust, Julia, Dart, Go, SQL, Scala, and C
- **Markdowns:** Markdown, LaTeX, HTML, CSS, Org
- **Frameworks and Tools:** AWS, Docker, UNIX, Pytorch, Tensorflow, Django, React, Next.js, Git, MongoDB, Node, Deno, GitHub, Express.js, ASP.NET, Flutter, React Native, SwiftUI, Native Script, Electron, Angular, Actix, Yew, Webassembly

WORK EXPERIENCE

Dell, Austin, TX

January 2020 – May 2020

Intern

- Lead a team of **5 other interns** to create a project that implements Dell's VR headset with the web as well as the Unity game engine.
- Wrote REST API in Express.js deployed to AWS with elastic beanstalk and docker to handle requests from the Unity frontend team, as well as our web interface.
- Wrote a web interface in Angular for our project.

TxDoT, Austin, TX

June 2019 – August 2019

Intern

- Wrote a program to automate processing of legacy records, over the course of 3 months we processed **~30,000 paper records** into digital form.
- Attended meetings with bureaucrats, filed paperwork, and did manual labor.

TECHNICAL EXPERIENCE

Deep Learning for Brain Disorders (AI/ML)

- Lead a team of 3 other students, and worked with a professor on computer vision models for the project.
- We use Machine Learning as well as Deep Learning techniques in order to predict brain disorders on various brain scans as well as segment objects in the case of brain tumors.

GAPTCHA (AI/ML)

- Optical Character Recognition, task on CAPTCHA images working at **~70% accuracy** on validation set
- Automates CAPTCHA test using Selenium
- Website takes in images and returns string guesses based on confidence.
- Work with a team of 2 other students.

PROJECTS

Image 5 (Fullstack)

- Fullstack pdf scan app using React Native, Express.js, AWS, and Google Drive API.
- Express.js handles middleware requests to our server hosted on AWS where the backend code runs
- Backend code POSTS files to Google Drive API so that when you scan and convert it is put into your google drive

Stock 6 (Fullstack)

- Fullstack app using React Native, Flask, Sklearn, YFinance API, and AWS
- Takes in a list of stock tickers and evaluates your portfolio based on a number of statistics
- If the app believes your portfolio is too risky for your risk tolerance it will show sadness otherwise it will evaluate neutral standing or happiness based on risk tolerance.

NotNginx (Backend)

- Multithreaded reverse proxy web server written in Rust.
- Parses config file, written with toml specification.
- Support for multi-threading, and reverse proxy sockets.