

Elias Tracy | Texas A&M University, Class of 2023 | Computer Science Undergraduate

Self-driven, collaborative, and creative leader who loves to learn.

Relevant Work: people.tamu.edu/~elitrac | github.com/elitracy

EDUCATION

Texas A&M University College of Engineering

Currently pursuing a Bachelor of Science in Computer Science and a Business minor

Richardson High School Communication Arts Magnet Program

Developed technical and creative film & photography skills via rigorous team-building projects where ethics, economics, and propaganda of historical and modern media were evaluated.

SOFTWARE SKILLS

React/React-Native, JavaScript, Python, HTML5/CSS, Java, C/C++, Linux, Powershell, SQL, MongoDB, Adobe Photoshop, Adobe Premiere, Adobe After Effects, Adobe Illustrator, DaVinci Resolve, Final Cut Pro X

Project Experience

Profesy (*React Native, Express JS, MongoDB, Python, Heroku, App Store Connect*) – With **1000+** downloads, Profesy is the **first mobile app** (currently live on the App Store) to help Texas A&M (TAMU) students find and choose professors more efficiently by compiling real-time university registrar report data.

MuTrade (*React, Tailwind CSS, Express JS, Heroku, SQL*) – A cryptocurrency paper-trading webapp which allows users to buy and sell live crypto-assets using *the Crypto Compare and Nomics APIs* to increase their market confidence.

StockAct (*React Native, Flask, Heroku, MongoDB*) [Submitted to TAMU Hack 2022] – Using *the Alpaca and Quiver Quant APIs*, our team created a mobile app which allowed users to follow politicians and mimic their trades to increase their portfolio's performance.

Dell Preference Matching (*Python, Flask, Gitlab, Data Science*) [Submitted to Dell Hackathon 2022] – Developed Flask-based REST API and a bipartite, directional, weighted matching algorithm to create an automated system for matching new hires to managers based on preference rankings.

WORK EXPERIENCE

Dell Technologies Internship – Worked as a Site Reliability Engineering Full stack intern on the Patching Management Tool (PMT) team using technologies such as *React JS, Gitlab, Python (Flask), and Powershell*. Improved performance by a factor of **over 700%** through more efficient REST API calls. Improved automation on the CI/CD pipeline, increased unit test coverage, and refactored a React-based frontend while working closely with international teams based out of Brazil, India, and Malaysia using the agile methodology.

Independent Film/Photography Business (*see wixsite*) – Provided freelance photography and videography services for individuals and local businesses.

Cinnaholic (3 years) - Managed customer service, day to day transactions, baked vegan goods

Chipotle (5 months) - Line Worker, food handler, managed transactions, customer service

Relevant Course Work

In Progress

CSCE 221 – Data Structures and Algorithms

CSCE 312 – Computer Organization

CSCE 313 – Computer Systems (Operating System Design)

CSCE 314 – Computer Languages

CSCE 315 – Programming Studio (Full Stack Development)

CSCE 411- Design and Analysis of Algorithms

STAT 421/CSCE 421 – Machine Learning

CSCE 420 – Artificial Intelligence

CSCE 465 – Computer & Network Security