

# LOGAN JACKSON

512-993-9663 | [logan.lieou@gmail.com](mailto:logan.lieou@gmail.com) | [github.com/LoganLieou](https://github.com/LoganLieou)

## EDUCATION

### University of Texas at Dallas

Bachelor of Science in Computer Science

Richardson, TX

Expected Graduation December 2025

**Relevant Coursework:** Discrete Mathematics, Automata Theory, Computer Architecture, Calculus I and II, Linear Algebra, Statistics, Algorithms, UNIX Systems, Computer Graphics, Compiler Design, Networks

## EXPERIENCE

### Software Engineer Intern

Tyler Technologies

August 2024 – Current

Plano, TX

- Switched Java from Oracle to Amazon Corretto in 2 states saving an estimated \$36,000 per year
- Automated deployments for backend controller reducing time spent on deployments by 100%
- Introduced frontend logic to court admin application reducing latency by 99.6% from 500ms to 2ms

### Software Engineer Intern

Tyler Technologies

May 2024 – August 2024

Plano, TX

- Migrated 50+ AWS Lambda methods to a new C# .NET microservice saving an estimated \$15k/month
- Resolved 721 security vulnerabilities across 24 products improving issue resolution by 127%
- Upgraded outdated application 3 major versions of Angular resolving 51 open security issues

### Software Engineer Intern

Walmart Global Tech

May 2023 – August 2023

Bentonville, AR

- Automated data extraction feature resulting in a 99.93% reduction in extraction time from 4320 to 3 min
- Added 3 front end pages to partner contact tool enabling suppliers to access automatic data extraction
- Wrote unit tests in Jest covering 100% of front-end code leading to successful deployment

### Software Engineer Intern

Walmart Global Tech

May 2022 – August 2022

Bentonville, AR

- Engineered microservice to ingest  $\geq 50000$  events/min improving retention 500% from 14 to 84 days
- Performed testing using Mockito, JUnit, and Docker achieving 80% code coverage
- Exposed 4 RESTful API endpoints used in data visualization and analysis by Walmart Engineers

## PROJECTS

### CAPTCHA Test Automation | PyTorch, Pandas, Matplotlib, Selenium, AWS Sagemaker

- Trained CNN on OCR task to recognize CAPTCHA images 70% of the time
- Wrote bot using Selenium to automatically bypass websites CAPTCHA check

### Deep Learning for Brain Disorders | Python, Pandas, Numpy, PyTorch, R

- Analyzed and cleaned 50GB of brain scan data boosting model accuracy through increase in usable data
- Implemented experimental model in PyTorch with a 70% validation accuracy showing efficacy of model

## SKILLS

**Languages:** Python, C++, Java, C#, Javascript, Typescript, SQL, HTML/CSS, R

**Technologies:** .NET, Spring, React, Angular, Node.js, Flask, Django, JUnit, Mockito, Moq, MSTest, Tailwind

**Tools:** Git, Linux, Jira, Github Actions, Docker, AWS Lambda, AWS EC2, AWS S3, Azure, Visual Studio