

**William ‘Trace’ Lippard**  
(830) 433-1651  
lippardw@gmail.com  
<https://daringplanet.github.io/WilliamSite/>

## Career Objective

Seeking an entry-level position in software development that offers growth into a technical leadership position.

## Education

Bachelor of Science in Computer Science (Magna Cum Laude)

The University of Texas at San Antonio, Tx

**GPA:** 3.77

### Relevant Course Work:

Artificial Intelligence (A-)	Advanced System Programming (A)
Compiler Construction (A)	Advance Software Engineering (A+)
Data Science (A)	Database Systems (A-)
Cloud Computing (A+)	Software Engineering (A)

**Significant Projects** (All Significant Projects source code can be viewed from my website under the project section.)

### CPU/IO Scheduler Simulator and Performance Measure (Solo Assignment)

- In Java, I implemented a multithreaded program that read in a sequence of jobs.
- Involved creating and using a variety of data structures and utilizing locks for synchronization.
- The jobs simulate CPU and I/O access and it measures the performance of the system.
- Allows for different CPU scheduling algorithms (FIFO, SJF, PR, RR).

### Project Meatbol (Position: Leader)

- Led a team of computer science students to create an interpreted language.
- Meatbol was capable of complex operations, nesting of statements, and built-in functions.
- I planned and implemented more than 90% of the 16,000 line project and demonstrates the ability to design, implement, and test a large code base with many connected parts.
- Used Git and GitHub for collaboration and Java as the language.

### Restful Web Service (Position: Leader)

- Led a team of computer science students to create Restful Web Service API.
- The Web API Service utilized a CI/CD pipeline with GitLab runners when deploying.
- The pipeline contained a build stage, two testing stages, and a deploy stage.
- Utilized Git and Gitlab for collaboration and also for the CI/CD Pipeline, and NodeJs with Express and MySQL for the code production.
- Converted the project to Docker and Docker Compose, and converted the Docker Compose project into a Kubernetes project.
- I implemented more than 90% of the entire project while learning new languages and technologies.

## Technology Summary

**Languages:** C, Java, Python

**Cloud:** MPI, Hadoop 1.2.1, Spark 1.6

**Operating Systems:** Linux, Windows 7/10

**DevOps:** Docker, Docker-Compose, CI/CD Pipelines

**Databases:** SQL, MySQL

**Software Engineering:** OO, UML Diagrams, Design patterns

**Version Control:** Git, GitHub, GitLab

**Shell Skills:** SSH, SSC, Find & Grep, Globbing, Regex

## Employment Experience

**Apex Glass & Mirror — Glazer**

June 2014 - May 2020

Installed auto glass, commercial glass, and residential glass. Fabricated commercial frames, cut flat glass, and handled walk-in customers.

## Activities and Honors

Dean's List (Spring 2019, Fall 2018, Spring 2020)