

# Allan Zheng

(857)-231-3760 | azheng34@outlook.com | [https://azheng1991.github.io/portfolio-website\\_final](https://azheng1991.github.io/portfolio-website_final)

An engineer located in Boston, MA pursuing a MS in Interactive Intelligence from Georgia Tech. I have also been working with another developer on my passion-project, a React and Express-based platform to connect recruiters to job seekers with future integration of HuggingFace LLM models: <https://www.careergpt.xyz>

Languages:	Frameworks:	Libraries:	Hosting:	Database:	Other:
-Python	-Angular	-jQuery	-AWS	-Postman API	-Data Structures and Algorithms
-JavaScript	-Next	-React	-Google Cloud Platform	-Testing	-Test-driven
-Java	-Express	-Redux	-Heroku	-SQL/PostgreSQL	Development/behavior-driven development
-C++	-React Native	-Vue	-Netlify	-NoSQL	-Object-oriented
-Linux/Unix	-Django	-Axios	-Vercel	-MongoDB	programming
-HTML/CSS					

## School Projects

**High Performance Computer Architecture Class Project 1:** Measured the count of correct and incorrect branch predictions for a Hybrid vs. Not Taken branch predictor and modified C++ code to output desired statistics for each type of predictor such as accuracy and number of completed branches and jumps

**SDN Firewall:** Implemented a POX/OpenFlow dynamic firewall in Python and created rules to allow or block hosts from connecting to ports using specified protocols (TCP/ UDP/ICMP)

**ML on CLAMP:** Coded supervised and unsupervised machine learning models (k-means clustering, logistic regression, random forest, gradient boosting) in Python before using one of these models on a dataset called "CLAMP" to predict malware scores

## Work Experience:

### Technical Support Engineer, AG Mednet

December 2021-Present

- Research and troubleshoot Java-based application errors with a team of 5 engineers that occur during clinical trial dicom image uploads
- Execute and modify Linux scripts to re-send images within dead-letter queue of hardware agents
- Query Postgres database with SQL to obtain information necessary to solve customer issues

### Application Support Engineer, Proteck, Inc. (Contract)

June 2021-December 2021

- Resolved JIRA tickets through customized implementation of SQL queries
- Researched and troubleshooted code-related issues with a group of 5 developers (3 application support engineers and two software engineers)
- Categorized JIRA tickets according to team of concern: IT Dev Team, IT Rapid Response Team, IT Support Team

### Software Implementation Specialist, Smonik Systems, LLC (Contract)

Mar 2021-May 2021

- Automated data extraction process for private equity clients through use of Smonik's software solutions
- Produced customized code as per the requirement of the client's financial statements
- Processed tax documents for clients using Smonik's proprietary software platform, resulting in expedited delivery of data to clients

### Technical Support Engineer, Mainvest, Inc. (Contract)

Sep 2020-Feb 2021

- Created JQuery-based web scrapers to generate business prospects that sales team used for lead conversion
- Provided front-end (Vue) and back-end (Python) technical support to customers and sales team
- Ran SQL queries to drive business growth and provide actionable insights for management team

### Contract and Full-Time Accounting Roles in the Greater Boston Area

May 2015-Mar 2020

- Deposited checks and wires daily to maintain healthy operational cash flow as a property accountant
- Led private equity events through customized accounting entries in proprietary accounting software

### TEFL-Certified English Teacher, New Power English

Jun 2013-May 2015

- Taught English to oil executives and students looking to pursue overseas education

## Education:

### Masters of Science in Computer Science, Georgia Tech, Expected Graduation: May 2024

Coursework: Software Development Processes (Fall 2023), AI Ethics and Society, Software Architecture and Design, High Performance Computer Architecture, Database Systems and Design, Introduction to Information Security, Computer Networks

### Full-Stack Web Development Bootcamp, CareerFoundry, Mar 2020-Sep 2020

### Bachelors of Arts in Biological Sciences, Northwestern University, Sep 2009-Jun 2013