Austin Tercha

215-713-6617 camper484@outlook.com www.linkedin.com/in/austin-tercha-0904891b2 https://ajst3.github.io/

Education

University of Pittsburgh **Fall 2021**
Master of Science in Computer Science *GPA: 3.625*

University of Pittsburgh **Fall 2020**
Bachelor of Science in Computer Science *GPA: 3.64*
Minor: Mathematics

Relevant Computer Science Coursework

- Data Structures
- Algorithms Analysis/Design
- Cloud Computing
- Data Science & Machine Learning
- Artificial Intelligence
- Natural Language Processing
- High Performance Computing
- Systems Programming
- Network Security & Cryptography

Relevant Mathematics Coursework

- Calculus 1 & 2
- Differential Equations
- Probability & Statistics
- Theoretical Math
- Discrete Math
- Actuarial Math
- Linear Algebra

Experience

Honeywell Voice Solutions **Summer 2019, Spring 2020, Summer 2020, Summer 2021**
Software Engineer Intern

- Migrated propriety library to use industry standard Selenium for the Test Automation software, resulting in reduced maintenance costs. Enhanced installer to allow new users to use and configure the framework faster.
- Worked with global team members to troubleshoot shared code. Worked in all areas of software development cycle.
- Enhanced python library for test automation by contributing to the wrapper API, making writing test scripts easier for the test writers. The API is used to make test scripts simpler, by abstracting the Selenium details away from the test writers.
- Contributed the automation framework which manages the running jobs and detects failures so that the testers can more easily diagnose problem in the web applications.
- Using python Sphinx, created intuitive and aesthetic documentation. The documentation was written for the Selenium wrapper API used to create tests.
- Worked with Kaldi toolkit to develop and train models for speech recognition technology. Additionally, used Phonetisaurus to generate grapheme-to-phoneme models for the speech recognizer.

Technical Skills

- **Languages**: Python, Java, C/C++, C#, MATLAB, MIPS/x86 assembly, SQL, Scala, HTML/XML
- **Developer Tools**: Visual Studio, Eclipse, Github/Bitbucket, Perforce, Jira
- **Frameworks**: Linux & Unix, Google Cloud Platform, Hadoop, Amazon AWS, Docker, Docker-Compose, Kubernetes, ROS (Robot Operating System), Anaconda
- **Libraries**: Pthreads & MPI, SQLAlchemy, Selenium & Appium, scipy, NLTK, Numpy, PyTorch, pandas