

Michael Kiros

michaelakiros@gmail.com ❖ (346) 302-8652 ❖ github.com/maktm ❖ Gresham, OR

EDUCATION

Texas Tech University

Aug 2015 – Dec 2019

Bachelor of Science, Computer Science

Lubbock, TX

- **Relevant Coursework:** Object-Oriented Programming, Data Structures, Design/Analysis of Algorithms, Concepts of Database Systems, Computer Architecture, Operating Systems, Software Engineering I & II

SKILLS & INTERESTS

Languages: C, C++, Python, Java, HTML, CSS, JavaScript

Technologies: Git, Visual Studio, Android Studio, WebStorm, PyCharm, IntelliJ IDEA, IDA Pro, x64dbg

Interests: Digital payment systems, Agritech, Healthcare, and Fiction books

PROJECTS

Stock Prediction (Software Engineering II Project)

Oct 2019 – Dec 2019

- Developed a web application for viewing current stock prices and predicting future trends in the stock market
- Implemented the backend of the web application using Python 3, Django, HTTP requests, and SQLite
- Used HTML, CSS, and JavaScript (Chart.js), along with a linear regression model, to display future stock prices

TALK (Senior Capstone)

Oct 2019 – Dec 2019

- Created an Android app to assist mental depression victims by tracking their moods and suggesting resources
- Built a mood tracker that tracks the user's mood periodically using Java with Android Notification & Room
- Used the Android Architecture API to create a UI that provides the user with mood-specific resources

FLIRTDDB

Jan 2017 – Present

- Founded the first large-scale collection of C/C++ IDA FLIRT signatures with more than 600 stars on GitHub
- Used git and GitHub to actively merge pull requests from users to provide signatures for less known libraries

Hadesmem

Oct 2015 – Present

- Reverse engineered the Windows 7 Vectored Exception Handling (VEH) mechanism using IDA Pro
- Created an open-source implementation of Microsoft's VEH mechanism using C++ and STL iterators
- Completed an audit of the original C++11 codebase to suggest additional features and possible implementations

WORK EXPERIENCE

IT Help Central

Feb 2018 – Dec 2019

Student Assistant III / Supervisor

Lubbock, TX

- Lead a team of over 8 analysts to solve hardware & software related issues for TTU faculty, staff, and students
- Coordinated with multiple IT departments at TTU to provide customers with over-the-phone and on-site help
- Consistently received positive surveys contributing to ITHC's rating as one of the most helpful departments
- Reduced the workload for the ITHC department by handling difficult calls on behalf of full-time staff members

AhadooTec

Jan 2014 – Mar 2014

Android Developer Intern

Addis Ababa, Ethiopia

- Built an Android app for solving time management issues in an agile environment with 4 other interns
- Implemented an interactive scheduling system using Java and the Android SQLite API
- Designed the user interface of the app using Inkscape then implemented it using Java and XML