Michael Kiros

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EDUCATION

TEXAS TECH UNIVERSITY   **Expected Graduation Date:** December 2019
Lubbock, TX   **GPA**: 3.2
Bachelor of Science in Computer Science, Minor in Mathematics

- **Relevant Coursework**: Programming Principles I & II, **Software Engineering I & II**, **Data Structures**, Object-Oriented Programming, **Design/Analysis of Algorithms**, Discrete Computational Structures, **Concepts of Database Systems**, **Intro to Artificial Intelligence**, Operating Systems, **Human Computer Interaction**, Theory of Automata
- **Extracurricular Activities**: Software Development Club (SDC), Association for Computing Machinery (ACM), Habesha Student Association (HSA)

GITHUB PROJECTS

FLIRTDB, *Personal project*   **576 Stars**
- Started a repository for the collection of **IDA FLIRT** signatures for reverse engineering binaries
- Manage the submission of binary signatures to maintain the quality/consistency of the repository
- Process and review **FLIRT** signature submissions and keep it up-to-date with library versioning

Hadesmem, *Contributed to*   **13 Stars**
- Contributed a vectored-based exception handler iterator implemented using **C++11**
- Unit tested (Boost.Test) the **C++11** codebase and suggested significant fixes and features

Color, *Personal project*   **13 Stars**
- Designed a small Domain-Specific Language (**DSL**) for outputting text with colors
- Created a small library that implements the DSL and allows printing colored text to the console

time, *Personal project*   **1 Stars**
- Created a port of the **UNIX** *time* command for Windows using **C**

Other contributions: maktm/flac-editor, microsoft/vcpkg, radareorg/radare2

PROFESSIONAL EXPERIENCE

IT HELP CENTRAL, Lubbock, TX   Jun 2019 - Present
Student Assistant III
- Supervise a team of student analysts and technicians with the goal of providing all TTU-affiliates with IT troubleshooting, training, and general assistance
- Help maintain the askIT knowledgebase used by employees and customers alike by creating, editing, and flagging technical solutions
- Communicate ideas and execute tasks with the help of student analysts/technicians on behalf of full-time staff members to ensure excellent customer satisfaction

AHADOOTEC, Addis Ababa, Ethiopia   Jan 2014 – Mar 2014
Software Developer (Intern)
- Worked alongside a team of junior developers tasked with building an Android app for student time management
- Utilized **git** and **GitHub** to communicate ideas with team members and perform version control for development
- Practiced designing and prototyping **Android** applications using Inkscape

SKILLS

- Programming languages, tools, and libraries
  - Advanced: **C, C++**; Intermediate: **Python**, Java, x86/x86-64 Assembly; Novice: HTML, CSS and JavaScript
  - Operating systems: Windows, Linux (Arch Linux, Ubuntu, Mint)
  - Developer tools: **Git**, **Visual Studio**, CLion, Vim, IDA (disassembler), Adobe XD (designing & prototyping)
  - Libraries: **Google Test**, **Boost**, Boost.Asio, Boost.Test, **Django**, Flask, Qt, libFLAC, Hadesmem
- Spoken languages
  - Native or bilingual proficiency in English
  - Native or bilingual proficiency in Amharic