

MUSSIE HABTEMICHAEL

602 South Elson St, Kirksville, Missouri 63501 | (916) 670-2653 | mussie.habtemichael2@gmail.com

mussieh.com | <https://github.com/mussieh> | <https://www.linkedin.com/in/mussie-habtemichael>

PROFESSIONAL SKILLS

Intermediate Proficiency: Java, C++, HTML, CSS, JavaScript, Python, W3.CSS framework

Basic Proficiency: Web Design, Bash

IDEs and Text Editors: Eclipse, Android Studio, Atom, Sublime Text

Miscellaneous: Firebase, SQLite, RESTful APIs, AWS, Google Cloud, Microsoft Azure, Github, MongoDB, MySQL, phpMyAdmin, Ubuntu, Oracle VM VirtualBox

EDUCATION

B.S. in Computer Science
Truman State University / 2014–2018

AWARDS

CODY SUMTER SCHOLARSHIP
Truman State University Foundation
Aug. 2015–May 2016

- *The largest dollar amount scholarship in Computer Science*

PRESIDENT'S HONORARY SCHOLARSHIP
Truman State University Foundation
Jan. 2014–Present

- *Awarded for "significant academic achievement and co-curricular involvement"*

VICE PRESIDENT FOR ACADEMIC AFFAIRS LIST

Truman State University Foundation
Jan. 2014–Dec. 2017

- *Awarded for maintaining a 3.5–3.99 grade point average*

WORK EXPERIENCE

IT SUPPORT / DEPARTMENT OF COMPUTER SCIENCE
Truman State University / Jan. 2015–Dec. 2017

- Maintained a computer lab for Computer Science and Mathematics students
- Helped students with programming assignments as well as assignments in Mathematics and Statistics

TEACHING ASSISTANT / DEPARTMENT OF MATHEMATICS
Truman State University / Jan. 2015–Present

- Assisted with Essentials of Calculus assignment grading
- Rectified incorrect solution manuals provided for grading

PROJECTS

RECAPP / ANDROID APPLICATION

Capstone Experience Project

Truman State University / Dec. 2017–Present

- Developed Recapp for recommending more than 200 well-reviewed academic resources in Computer Science including books, videos, and websites
- Employed Google's Firebase database and cloud storage for faster and easier data synchronization
- Built with Material Design guidelines in mind

REST SERVICE CRAWLER

Feb. 2018–Mar. 2018

- Developed an Android application for querying Google's Books API for well-reviewed content
- Integrated Google's Books API with the YouTube Data API for finding important academic resources in multiple media formats

DES CRYPTANALYSIS

Truman State University / Sept. 2017–Nov. 2017

- Led a six-person team that worked to implement a brute-force scheme for the DES cipher in C++ and Python
- Designed and completed a Java implementation of the project that was about ten times faster than the corresponding Python implementation
- Rewrote the same Java program in C++ with further optimization to get a C++ program forty times faster than the Python implementation (as tested on Ubuntu)

CAMPUS ACTIVITY

AFRICAN STUDENTS ASSOCIATION

- *Member / Jan. 2014–May 2014*
- *Learned the customs and etiquette of various cultures*

CAMPUS CHRISTIAN FELLOWSHIP

- *Member / Mar. 2014–May 2015*
- *Renovated institutions that served as shelters for those in need*