

# MUSSIE HABTEMICHAEL

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[mussieh.com](http://mussieh.com) | <https://github.com/mussieh> | <https://www.linkedin.com/in/mussie-habtemichael>

## PROFESSIONAL SKILLS

Intermediate Proficiency: Java, C++, HTML, CSS, JavaScript, Python, Web Design

Basic Proficiency: W3.CSS framework, Bash

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

Miscellaneous: 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

WEB DEVELOPER / [mussieh.com](http://mussieh.com)

Dec. 2017–Present

- Developed my personal website using the W3.CSS framework and its provided templates
- Wrote JavaScript code for night mode support and a better user experience
- Designed and tested to be mobile-friendly with full W3C markup validation

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–Dec. 2017

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

## PROJECTS

BOT 451 / ANDROID APPLICATION

Capstone Experience Project

Truman State University / Dec. 2017–Present

- Launched an open-source Android application project using Java and the Android API
- Designed the application to recommend academic resources in Computer Science and Mathematics
- Employed the Material Design UI pattern for an optimum user experience

DES CRYPTANALYSIS PROJECT

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