

## Education

### Tennessee Technological University, Cookeville, TN

*Bachelor of Engineering, Computer Science (Minor: Mathematics), May 2017*

GPA 3.79/4.00 | Magna Cum Laude

### Tennessee Technological University, Cookeville, TN

*Master of Science, Computer Science, anticipated Dec. 2018*

Research focus: Never-ending machine learning

## Experience

### Teaching Assistant, Tennessee Tech Aug. 2017 - Present

- TA for Software Engineering, Artificial Intelligence, and Computer Organization and Assembly Language Programming.

### Software Developer, Tennessee Tech May 2017 - Present

- Developing a web-based solution designed to administer and manage the Critical Thinking Analysis Test (CAT). Employing modern design patterns and frameworks to ensure the product is dependable, secure, extensible, and robust.

### Master Control Operator, WCTE 2013 – Aug. 2017

- Provide technical support during transmission/equipment failure.
- Assisted in the design and implementation of a web based work flow management system.
- Designed and wrote software to automate a back-up recording system, resulting in fewer missed recordings.

## Research

### Undergraduate Research Aug. 2016 – May 2017 / Cookeville, TN

- Applying machine learning techniques to gain insights into a novel biological domain
- Publication: Using Machine Learning to Understand Top-Down Effects in an Ecosystem: Opportunities, Challenges, and Lessons Learned  
*Douglas A. Talbert, Paul Tinker, Tom Crowther, Donald Walker*

## Technical/Skills

### Languages

- C++
- C
- Java
- Python
- PHP
- SQL (PDO)
- JavaScript
- 80x86
- Assembly

### Software/Platforms

- Windows
- Linux/Unix
- Laravel
- Adobe: Illustrator, Photoshop
- Git/GitHub
- R
- SKLearn
- WEKA

### Personal

- Detail-oriented
- Strong analytical skills
- Adaptable
- Diligent
- Strong work ethic
- Excellent communicator(written/verbal)
- Creative
- Motivated
- Responsible

## Activities/Honors

### Engineers Without Borders

Digital Media Coordinator 2015 – 2016

Local Events Coordinator 2014 – 2015

Travelled to Southern Belize to assist in the design of a sanitation and hygiene project for the people of San Bonito Poite

Assisted with the logistics, implementation, and oversight of EWB's annual 5K

Volunteered for several local community improvements based projects

Designed posters and flyers for various EWB projects and events

### Membership

ACM and TTU CyberEagles

### Honor Societies

Phi Kappa Phi, Kappa Mu Epsilon (mathematics), Omicron Delta Kappa, Tau Tau Honor Society for Nontraditional Students

### Scholarships

HOPE Scholarship for Nontraditional Students 2015 - Present

Captain William Lafayette Anderson Scholarship 2015-16 and 2016-17

Earl McDonald Scholarship 2015 – 2016

