tdco232@gmail.com **Travis Conley** (859)302-3086

SKILLS

- C++, C, Python Proficiency
- Written, verbal, and digital communication skills
- Problem Solving
- Collaborative work

EDUCATION

University of Kentucky Lexington, KY

B.S. Computer Science

B.S. Mathematics

Cumulative GPA: 3.84; 142 Credit Hours Completed Projected Graduation: May, 2020

WORK EXPERIENCE

U.S. Government Accountability Office Washington, DC

Information Technology Analyst Intern May 2018- August 2018

- Participated on a team to conduct audit-related work evaluating federal information management and technology program areas such as privacy, systems acquisition and development, investment management, federal computer security, cybersecurity, enterprise architecture, and critical infrastructure protection.
- Used methodologically sound processes to collect, develop, and communicate relevant information during formal or informal presentations, meetings, or interviews.
- Worked with others to address issues or solve problems; contributed to team efforts through participation in meetings, listening to others' opinions, and working collaboratively to accomplish team goals.

RESEARCH EXPERIENCE

University of Kentucky Machine Learning Smart Outlet Project Lexington, KY

Research Assistant June 2019- October 2019

- Design and test machine learning algorithms on real-world data sets in order to identify household devices based on energy signatures
- Primarily used k-nearest-neighbors algorithm

University of Kentucky Network Mining and Analysis of Interdependent Networks Lexington, KY

Research Assistant January 2019- May 2019

- Work collaboratively within small groups on furthering understanding and development of network interdependence strategies to increase robustness of networks.
- Focus on critical infrastructure protection from cascading failure.

PROJECTS

Artificial Intelligence Projects Lexington, KY

March 2019 - May 2019

- A* search, constraint satisfaction, and particle filtering processes to guide an agent to perform various required tasks efficiently.
- Implementation of neural nets with back propagation learning to classify datasets.
- Written in Python.

RESTful Database Lexington, KY

February 2019 - April 2019

- Implementation of a database-backed Representational State Transfer API.
- Supports several client-server interactions for database management.

Materials Sorter Project Lexington, KY

January 2017 - May 2017

- Worked collaboratively with six other engineers on a time intensive project.
- Set timelines to follow and goals to meet, along with regularly scheduled meetings to discuss progress.
- Talked through different ideas and solutions to problems as they arose throughout development.
- Presented final product to the Dean of Engineering at the University of Kentucky.