Dalton Cole

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Objective	To obtain an internship for the summer of 2018 in Cybersecurity

Education

Missouri University of Science and Technology — May 2019
Ph.D. Computer Science — **GPA: 3.85/4.0**

Missouri University of Science and Technology — May 2016
B.S. Computer Science — **GPA: 3.83/4.0**
Minor: Computer Engineering & Mathematics

Experience

Sandia National Laboratories — Albuquerque, NM
Cybersecurity Intern — Summer 2017
- Applied machine learning techniques to find back doors in source code and binary
- Created emulation software using C and Python

Cybersecurity Training — January 2016/17
- Gained in-depth knowledge of the ISO model
- Used IDA Pro to reverse engineer malware
- Used nmap to map out networks

Cerner — Kansas City, MO
Software Engineering Intern — Summer 2016
- Created a Ruby On Rails web application
- Added security features to the web application
- Provided live demos weekly to management

Missouri University of Science and Technology — Rolla, MO
Introduction to Artificial Intelligence — Spring 2016
- Programmed a chess AI using Time-Limited ID-DFS MiniMax with alpha-beta pruning and Quiescence Search
- Implemented different searching techniques such as BFS, ID-DFS, and A*

Object-Oriented Numerical Modeling I — Spring 2016
- Designed abstract data types to represent the basic building blocks in mathematics
- Optimized C++ code for run time and reusability

Computer Networking — Fall 2015
- Created a peer to peer file sharing program for Unix based systems
- Learned python networking
- Implemented networking protocols

Computer Skills

Advanced:	C++	Python	Ruby			
Proficient:	Swift	SQL	Linux	Windows	Mac OS X	Ruby on Rails
	Multisim	PuTTY	Assembly	MIPS	Git	Microcontrollers
	MATLAB	Javascript	Kali	LaTeX	Wireshark	Nmap
Learning:	Java	GO				

Honors & Activities

Scholarship For Service Recipient
Association for Computer Machinery - **President**, **Secretary**
Computer Science Department Leadership Award
Cyber Defense Team - Member
Downtown Hall Association - **Vice President**
Institute of Electrical and Electronics Engineers - Member
Associated Students of the University of Missouri - **Programing Coordinator**
History Club - **Vice President**
Collegiate Eagle Scout Association - **Vice President**
President's Volunteer Service Award