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 **Ph.D. Computer Science**	May 2019 **GPA: 3.85/4.0**
	Missouri University of Science and Technology **B.S. Computer Science** **Minor: Computer Engineering & Mathematics**	May 2016 **GPA: 3.83/4.0**

Experience	Sandia National Laboratories **Cybersecurity Intern**	Albuquerque, NM Summer 2017

- Applied machine learning to find correlations between source code and binary
- Created emulytics software using C for the 1553 data bus protocol

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	Metasploit				

Honors & Activities	Scholarship For Service (SFS) Recipient

Association for Computer Machinery - **President**, **Secretary**
Computer Science Department Leadership Award
Cyber Defense Team - Member
ACM Programming Cometition - **Chair**
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