(660) 383-2144   **Dalton Cole** (He/Him)   https://github.com/DaltonCole
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Objective	To obtain a full-time Software Engineering position at Google	

Education

University of Missouri - Columbia	July 2021
Ph.D. Computer Science	
Missouri University of Science and Technology	May 2019
M.S. Computer Science	
B.S. Computer Science	
Minor: Computer Engineering & Mathematics	

Work Experience

Sandia National Laboratories — Albuquerque, NM

Senior Computer Scientist — July 2021 - Present
- Supported the development and analysis of wide-view visual-based satellite remote sensing sensors
- Designed a graph neural network architecture for event classification using PyTorch
- Lead a team of engineers working on analyzing remote sensing data
- Spearheaded a project converting image segmentation maps into realistic images using a generative adversarial neural network
- Proposed and received funding for machine learning and data science projects
- Mentored Ph.D. and undergraduate interns in software development

Cybersecurity Intern — May 2017 - Dec 2019
- Applied machine learning to find correlations between source code and binary
- Wrote emulytics software using C for the 1553 data bus protocol
- Created a Laika BOSS module to filter out metadata
- Designed and implemented a graph labeling attack algorithm
- Developed Python libraries in C++ for more efficient software
- Analyzed network data using Bro and machine learning

Missouri University of Science and Technology — Rolla, MO

Graduate Teaching Assistant — Fall 2019
- Instructed students on objected-oriented programming (C++)
- Prepared lesson plans that are both informative and engaging to students
- Enforced the high integrity standards outlined by the university

Cerner — Kansas City, MO

Software Engineering Intern — Summer 2016
- Created a Ruby On Rails web application with added security features
- Developed or used existing APIs for tools like Jenkins and Crucible
- Led a team of interns in weekly live demos to management
- Won crowd favorite at the intern hackathon

Additional Experience

Personal Website — July 2020 - Present
- Implemented a personal website using Django
- Managed a PostgreSQL database
- Extensively used Django templates to promote concise and rapid development
- Created a mobile-first responsive website design using bootstrap
- Containerized website deployment via Docker
- Used TravisCI and Github Actions to automate unit testing and deployment
- Incorporated Google Search for quick and efficient website queries

Programming Competitions — Fall 2015 - 2019
- Won MS&T's Programming Cup - Individual's Bracket
- ACM ICPC Regional's first place on-site

Computer Skills

Advanced:	Python	C++	Rust				
Proficient:	Java	JavaScript	HTML	Linux	LaTeX	SQL	Django
	PyTorch	Tensorflow	Keras	Matplotlib	Numpy	Sklearn	