

MATTHEW CATHER

COMPUTER ENGINEERING

mrc0033@auburn.edu

205.937.7291

*An entry level computer engineer who has successfully completed an internship with three rotations.
Ability to adapt to new and current projects and learn quickly. Looking to be part of an
organization where I can utilize my leadership skills and make an impact.*

EDUCATION

AUBURN UNIVERSITY - 2019

Bachelor of Computer Engineering

EXPERIENCE

RESEARCH ASSISTANT

Auburn University, Auburn, AL - 2018

Assisted Dr. Clark with research focused on new types of microelectromechanical systems, specifically piezoelectric actuators and their application to microrobotics.

INTERN

Adtran, INC., Huntsville, AL - 2016-2017

- Integration of IPv6 capabilities into Total-Access 5000 switch cards
- Improvement of Ethernet Y.1731 Connectivity Fault Management protocols for Optical Network Edge cards
- Contributions to Adtran's embedded operating system
- Refinement of C++ programming and debugging skills
- Development of python software for programmatically interacting and configuring Adtran devices
- Full-stack development for autonomous testbed manager

GARDE-MANAGER

FoodBar, Birmingham, AL - 2017

PARALEGAL, IT-SPECIALIST

Zarzaur Mujumdar & Debrosse, Birmingham, AL - 2013-2017

ACHIEVEMENTS

BOY SCOUTS OF AMERICA - 2013

Eagle Scout

NATIONAL OUTDOOR LEADERSHIP SCHOOL, PINDARI GLACIER, INDIA - 2017

Graduate

AMERICAN WELDING AND TESTING - 2015

1G Plate Flux-Cored Arc Welding

SKILLS

C Programming

C++ Programming

Python Programming

Latex Proficiency

Git Proficiency

CUDA Programming

MPI Programming

OS Development

FPGA Development

Cortex-M Development

Perforce Proficiency

Linux Administration

GDB Skills

Javascript Programming

Linux Container Deployment