COLIN MCALLISTER

COMPUTER ENGINEERING / STUDENT

ADDRESS OMITTED
Iowa, 50010

T: PHONE NUMBER OMITTED
E: colinmca@iastate.edu
www.colin.pm

ABOUT

- Upcoming computer engineering graduate with a strong foundation in software development, embedded systems, and circuit design
- Experienced in object-oriented design; algorithm design and analysis; and version control systems from a combination of school, work, and personal projects
- Demonstrated quick learner who can find success in both team and self-directed environments

EXPERIENCE

2018 **CORTEVA AGRISCIENCE**
Manufacturing and Field Technology Software Intern
- Developed structured text code for Beckhoff PLCs
- Wrote multiple .NET applications for MQTT communcation
- Created Python scripts for Raspberry Pi and XML parsing
- Evaluated Nvidia Jetson TX2 module for machine vision project

2017 **ALTEC INC**
Software Engineering Co-op
- Designed, programmed, and tested major overhaul to Python MQTT client running on an embedded Linux device
- Added several additional features to .NET utility for flashing devices over CAN
- Gained experience working with coding standards, code repositories, code reviews, upgrade paths, and software release cycles
- Organized and led design review and verification meetings

2017 **IOWA STATE UNIVERSITY IT SERVICES**
Endpoint Onsite Team Member
- Assisted ITS customers by installing new equipment and solving issues forwarded by the ISU ITS Solution Center
- Worked in scrum environment using ChangeGear software
- Gained administration experience with Windows and MacOS

2014 - 2017 **IOWA STATE UNIVERSITY SURPLUS**
Computer Technician
- Refurbished unwanted university electronic assets for resale
- Gained power user experience with Linux and MacOS
- Developed strong hardware and software troubleshooting skills

TECHNICAL ELECTIVES

- Linux Operating System Essentials
- Embedded Systems Design
- Software Tools for Large Scale Data Analysis
- Network Protocols and Security
- Electromagnetics for Non-electrical Engineers
- Electronic Systems Design

EDUCATION

2014 - 2018
IOWA STATE UNIVERSITY
Computer Engineering, B.S.
3.10 GPA
Currently completing with an emphasis on embedded systems and parallel computing

2011 - 2013
SUNY AT BUFFALO
Undeclared
2.10 GPA
Studied general education classes while competing in a Division I Men's swimming & diving program

AWARDS

2015 & 2018
DEAN'S LIST
Iowa State University

2015
FIRST PLACE - HARDWARE DESIGN
HackISU

2012
ROOKIE OF THE YEAR
University at Buffalo Men's Swimming & diving

SKILLS

C

Python

Linux

Java

C#