Collin Bolles

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Intro

Computer Science student looking for a Summer 2021 co-op with a wide range of computing experience including embedded development, cloud computing, and backend web development.

Skills and Proficiency

Languages

Language	Proficiency
ARM Assembly	●○○○○
C	●●●●○
C#	●●●○○
C++	●●●○○
HTML/CSS	●●●●○
Java	●●●●●
JavaScript	●●●○○
Python	●●●●●

Frameworks and Libraries

Framework	Proficiency
Django	●●●○○
Flask	●●●○○
Mbed	●●○○○
Node.js	●●●○○
React.js	●●●○○
Requests	●●●●○
Spring Boot	●●●○○

Tools and Environments

Tool	Proficiency
AWS	●○○○○
Azure	●●○○○
Git	●●●●○
Google Cloud	●●●○○
LaTeX	●●●○○
Linux	●●●●○
Mac OS	●●●●○
Maven	●●●○○
Vim	●●●○○
Windows	●●●○○

Education

Rochester Institute of Technology
B.S. Computer Science
GPA 3.85/4
Expected Graduation: 2023
Minor: Computer Engineering
Immersion: Communications

Employment

Herrick Technology Labs · Software Intern   Sep. 2020 to Present
Developed software for orchestrating a series of HTL products for a military contract. Handled making software design decisions in a multi-disciplinary environment. Evaluated and implemented various technologies to meet the specifications of the client.

Blue Spiral · Software Developer   June 2020 to Aug. 2020
Worked as research and development software developer. Explored UAV mapping systems, developed OCR solutions using Microsoft Azure, and developed an iOS application for on the spot employee assessments. Developed in Python, Swift, and C#.

RIT ASC · Supplemental Instructor   Aug. 2019 to May 2020
Provides support for students taking The Mechanics of Programming, a class dedicated to learning C and an overview of Operating Systems. Support includes attending class and creating review sessions twice a week for students to improve themselves.

Ball Bowler · Software Developer   Jan. 2019 to Nov. 2019
Developed software for miniature bowling lanes including the user interface and game logic. Developed in Java with Javafx.

Blue Spiral · Software Intern   Aug. 2017 to Aug. 2018
Developed software for training image classification models and detecting the presence of ducks. Developed object detection with the Microsoft Hololens. Developed in Python.

Valogix · Software Intern   July 2016 to Nov. 2018
Worked as a full stack web developer creating a web app to monitor over 100 remote servers. Created custom RESTful APIs to collect data from servers. Wrote test software to analyze Valogix's web application. Developed in Java using Spring Boot.

Activities

Electric Vehicle Team · Firmware Lead   Dec. 2018 to Present
Programming with mbed and STM's HAL on stm32s to create custom software for the REV 2 electric motorcycle. Developed a custom driver for Sendyne Ground Fault detection board as well as an error manager system to run across the motorcycle.

Engineers for a Sustainable World · Treasurer   Jan. 2019 to May 2020
Communicated with the rest of the eboard to distribute funds to various projects and activities. Created a database for the Water for South Sudan organization and competed in the Biomimicry Challenge.

Awards

Best IoT Hack · *Publicis Sapient*   Feb. 2020
Awarded for Laundramatic at Brickhack 6 for implementing IoT principles to make doing laundry on campus easier.

UB Hacks 3rd Place Award · *UB Hackathon Group*   Nov. 2018
Awarded for Sketch It, award given to the 3rd best overall project.

Big Red Hacks Best First Time Hack · *Cornell Hackathon Group*   Oct. 2018
Won award for Petty Alexa given to the best team that was competing in their first hackathon

Congressional App Challenge Winner · *NY Congressional District 21*   Dec 2017
Won a congressional award for the Saratoga GO Parking App and displayed the app in Washington, D.C.