Devin Sigley

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EDUCATION

Bachelor of Science, **Computer Science** with **Math Minor** Graduation: **May 2021**

GPA: **4.0**/4.0 Youngstown State University, Honors College

- Coursework: *Data Structures*, *Algorithms, Advanced Object-Oriented Programming, Parallel and Distributed Systems*
- Academic honors include: consistently on Dean's List and President's List, high school valedictorian

EXPERIENCE

Software Co-op – RoviSys May – August 2019

- Used PI Asset Framework to automate data collection and analysis for large systems (>40,000 attributes)
  - Experience with PI AF templates, elements, attributes, analyses, backfilling, and UoM
- Created webpage mockups using Balsamiq
- Performed reviews directly with clients' subject matter experts to ensure project specification compliance

FIRST Robotics Competition 2013 – Present

- Mentor (2017 – Present)
  - Teach team members about the electronics used in our robots and about safe electrical practices
  - Instruct team members (high school students) in C++
- Head of Programming and Electronics (2015 – 2017)
  - Oversaw development of robot code and creation of robot electrical systems
  - Built a custom voltage regulator to step down voltage from 12V to 7.5V
  - Utilized machine vision to calculate the distance our robot was from an objective
  - Implemented PID control to control autonomous driving distance of our robot
  - Used bang-bang control to maintain consistent flywheel velocity

Student Technician – YSU IT Service Desk April 2018 – May 2019

- Assisted students, staff, faculty with technical needs, acting as the first point of contact
- Prioritized IT problems and assigned tasks to other IT departments, if necessary

SKILLS

- C++ — knowledge of the main additions in C++11 ('auto', smart pointers, for each loops)
- Java — knowledge of key distinctions of Java (garbage collection, JVM)
- Unit testing — experience with Junit and Mockito
- Git — both via a Bash command line and via a GUI
- Python — minimal experience
- Android development — minimal experience
- LaTeX — primarily mathematical papers. Experience with articles and presentations
- Office Skills — documents, spreadsheets, presentations, through either Microsoft Office or Google's suite