

**Rayhan Nazir - [nazirrm@mail.uc.edu](mailto:nazirrm@mail.uc.edu) , 513-896-0955**

### **Co-op or other experience and responsibilities**

- Software Engineer Intern, Baker Hughes, Twinsburg, Ohio (2 semesters)
  - Developed automated test programs for industry equipment and sensors. Enhancing efficiency and accuracy in testing processes
  - Led the design and implementation of a program to automatically read data from 72 sensors, assessing pass/fail status based on predefined criteria.
  - Wrote code libraries for Test Equity ovens, streamlining the development of the test system.
  - Designed and implemented a database for storing flame sensor data using SQL and Microsoft Access, improving data organization and retrieval.
  - Collaborated with other engineers to refine testing methods leading to a 80% improvement in sensor performance evaluation accuracy.
- Controls Engineer Intern, TREW Automation, Fairfield, Ohio (1 semester)
  - Developed instrumentation and controls for conveyor and automation systems
  - Assembled prototype control systems and logic
  - Collaborated with senior design engineers to design and build PLC circuits
  - Troubleshooted and corrected system design flaws and malfunctions
  - Maximized quality assurance by testing and improving prototype machinery
  - Verified controls conformed to specifications for operations
- Technology Development Intern, FIS, Cincinnati, Ohio (1 semester)
  - Worked on a team to plan, develop, and create multiple features within a cryptocurrency banking app
  - Operated in an agile team environment with end-to-end responsibilities throughout the development cycle
  - Used HTML and Ionic 5.0 for the frontend and AngularJS for the backend development
  - Implemented an internal notification system that would alert the user on pending tasks that needed to be completed
  - Designed a Buy and Sell page where the user can exchange USD for Bitcoin or the other way around

### **Skills/expertise areas**

- Programming: C#, C++, Python, Java, .NET
- Operating Systems: Unix, Linux, Windows
- Web Development: HTML, Javascript
- Database Programming: SQL, Microsoft Access
- Office Applications: MatLab, Microsoft Office

**Areas of Interest**

- Software Development
- Data Science
- Artificial Intelligence
- Database Applications

**Project Sought**

- Extract Data from City of Cincinnati Website through REST API Functionality