Basith Penna-Hakkim

• Columbia, South Carolina • BASITH@email.sc.edu • (803) 612-0395 •

EDUCATION

University of South Carolina – Columbia, SC
B.S.E. Computer Engineering   **May 2025**

ENGINEERING & WORK EXPERIENCE

University of South Carolina, Columbia, SC
CAS Science Computing Center Assistant   **August 2024 to Present**
- Maintaining and repairing computers, printers, and copiers
- Troubleshooting hardware, networking, and software problems
- Installing and uninstalling software
- Moving and setting up equipment and training

Michelin North America, Spartanburg, SC   **May 2024 to August 2024**
Computer Science Intern
- Built a site in ASP.NET for Digital Control Tire
- Tested using Surface tablets on the shopfloor
- Met the time standard for Control Tire 10-15 minutes
- Used SQL to store data for retrieval and analysis for quality and customer standards
- Helped benchmark systems and processes as well as future digitalization projects

BMW Manufacturing Co., LLC, Greer, SC   **May 2023 to August 2023**
Computer Engineer Co-op
- Made an Apex application that has both QMT and QSP responsibilities for supplier parts
- Implemented the application to be used on both the Intranet and Quality Dashboard
- Created a user guide for the supplier parts application
- Worked on the associate kiosk system on Sharepoint with intern group
- Created the intern handbook for the department to help with onboarding and adapting to a manufacturing environment

BMW Manufacturing Co., LLC, Greer, SC   **August 2022 to December 2022**
Computer Engineer Co-op
- Helped implement Quality Alert popups for ePSTC log in systems
- Used part numbers from Process IDs to pull live data from QAs for corresponding job stations
- Created stack chart view for Bodyshop and Supplier scrap costs
- Retrieved sub, internal, and external scrap data from SAP

BMW Manufacturing Co., LLC, Greer, SC   **May 2022 to August 2022**
Maintenance Planning and Training Co-op
- Reporting of technical trainings
- Further development of reporting tools
- Maintenance of reporting systems
- Analyze training data and qualifications

Personal Engineering and Programming Projects
Robotics/ Coding/ Electronics   **August 2016 to present**
- Was part of a VEX Robotics Team that competed in Regional, State, and National competitions; Did programming and design using VEXcode based on Python and using VEX parts to assemble the robot
- Won Skills, Judges, Excellence Awards on several occasions as well as being State Finalist at the Technology Student Association State Conference in Myrtle Beach
- Learned how to use Matlab to measure and transmit signals with a Pluto SDR in the RENEW Workshop: Introduction to Radio Systems & Software Defined Radio during the Summer
- Built different programs in class and at work using Java, Python, C, C++, SQL, ASP.NET, Visual Basic, HTML/CSS, Matlab, and LT Spice

Currently working in a startup with a team to build a web app as part of a Capstone Project for senior year