Basith Penna-Hakkim

• Columbia, South Carolina • BASITH@email.sc.edu • (803) 612-0395 • www.linkedin.com/in/basithph

EDUCATION

University of South Carolina – Columbia, SC
Bachelors of Science in Computer Engineering **May 2025**
Honors and Awards: Dean's List Spring 2024

RELEVANT COURSEWORK

Scientific Applicat Programming, UNIX/Linux Fundamentals, Advanced Programming Tech., Circuits, Robotic App. & Design, Operating Systems, Embedded Systems, Data Structure & Algorithms, Signals & Systems, Advanced Digital Design, Intro. Electrical Eng. Lab, Capstone Computing Project I

RELEVANT WORK EXPERIENCE

University of South Carolina, Columbia, SC
CAS Science Computing Center Assistant **January 2022 to Present**
- Troubleshot and resolved technical issues
- Assisted in equipment setup and relocation
- Installed, configured, and updated software applications

Michelin North America, Spartanburg, SC **May 2024 to August 2024**
Computer Science Intern
- Developed a working prototype for Digital Control Tire and conducted testing using Surface tablets on shop floor
- Met the time standard for Control Tire 10-15 minutes
- Captured and stored data for retrieval and analysis for quality and customer standards
- Collaborated with cross-functional teams to benchmark systems and processes

BMW Manufacturing Co., LLC, Greer, SC **August 2022 to August 2023**
Computer Engineer Co-op
- Developed an application that has both QMT and QSP responsibilities for supplier parts and deployed it on Intranet and Quality Dashboard
- Created the intern handbook to help with onboarding and adapting to a manufacturing environment
- Implemented Quality Alert popups for ePSTC log in systems using part numbers to pull live data
- Created stack chart view for Bodyshop and Supplier scrap costs

BMW Manufacturing Co., LLC, Greer, SC **May 2022 to August 2022**
Maintenance Planning and Training Co-op
- Pulled part information from database
- Organized Excel sheets based on part information and deleted spare, duplicate part information
- Analyzed training data to assess qualifications and performance

LEADERSHIP EXPERIENCE

Youth Group, Columbia, SC
Muslim Youth Group **August 2016 to present**
- Been a part of the community for many years
- Demonstrated leadership in communication and organizing events
- Delivered the khutbah (prayer sermon) on a few occasions for Jummah (Friday) Prayer
- Collaborated with local and external community leaders to build interfaith relationships

University of South Carolina College of Engineering and Computing, Columbia, SC
CEC Ambassador **January 2022 to May 2022**
- Served as a representative for the College of Engineering and Computing
- Lead informative tours to future students and their families
- Collaborating with other student ambassadors to help organize tours and events

SKILLS

- **Operating Systems:** Windows, Linux
- **Software Applications:** Microsoft Office, Google Drive, LT Spice, Oracle Application Express, Visual Studio, Ubuntu, Quartus, Django, React, SAP
- **Programming Languages:** Python, C, C++, Matlab, SQL, ASP.NET, Visual Basic, Verilog, JavaScript, HTML, CSS