

# Waleed Khan

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## Career Objectives

Dedicated computer engineering student at the University of South Carolina, deeply interested in software design, cloud computing, full-stack development, and hardware engineering. Actively engaged as a programmer in an electrical engineering laboratory at the university, specializing in optimizing system data collection, display, and software maintenance. Possesses practical university experience in object-oriented programming, application development, computer hardware systems, and circuit analysis. Adept at collaborative teamwork and excelling in individual settings, actively seeking opportunities aligned with software engineering, challenging tasks, and contributing to innovative solutions in a professional environment.

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## Education

**University of South Carolina**, Columbia, SC

**Expected Graduation: Dec 2024**

**Degree:** Bachelor of Science in Computer Engineering

### Relevant Coursework:

Advanced Programming Techniques, Algorithmic Design II, Computer Architecture, Introduction to Computer Networks, Computer Systems Engineering, Mobile Application Development, Embedded Systems, Unix/Linux Fundamentals, Statistics for Engineers

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## Technical Skills

**Programming/Markup Languages:** Java, Python, JavaScript, HTML, CSS, C++, C, SQL

**Software Applications:** Microsoft Excel/Google Workspace, ROS (Robot OS), Intel Quartus Prime

**Operating Systems:** Windows OS, Linux, Mac OS

**Web Design:** Designed webpages and websites for a variety of functions

**Hardware Systems:** Familiar with layout and hardware design of computer and electrical systems

**Troubleshooting:** Performed hard resets on computers, run diagnostic tests, and allocate memory

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## Work Experience

**Undergraduate Research Assistant**, University of South Carolina

**January 2023 – Present**

- Oversaw the meticulous maintenance of software tailored to the laboratories. diverse equipment, ensuring adaptation to the unique requirements of each research project.
- Implemented the establishment of a secure and private network for the laboratory, focusing on enhancing data protection measures. This involved working with other lab members in the configuration and deployment of network infrastructure to safeguard sensitive information.
- Collaborated with lab members on installation and initial testing of Atomic Force Microscope to analyze samples of nitrous-based metals for conductivity.
- Demonstrated creativity and technical proficiency by creating and designing a website for the laboratory, providing a platform to showcase its research history and progress.
- Worked with other university departments for acquiring new lab equipment and testing samples.
- Assisted the professor with optimizing new equipment for future research projects and data collection.

**Business Development Clerk**, Legand Oak Management

**August 2018 – April 2020**

- Scouted for real estate opportunities in South Carolina and recommended them to the development team.
- Focused search on older homes in good locations that offered maximum opportunity.
- Coordinated renovations with repair team in order to complete projects in an effective manner.
- Worked 40 hours per week, both in the office and from home.

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## Extracurricular Activities

**Association for Computing Machinery**

August 2019

**Cybersecurity Club**

August 2019