

# Joshua Shabun

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## Objective

Recent Computer Engineering graduate skilled in C++, Python, databasing, cloud, and containerization technologies, seeking a Software Engineering role to apply technical expertise in developing, optimizing, and scaling software solutions. Eager to contribute to dynamic projects, embrace new technologies, and drive impactful results in collaborative engineering environments.

## Education

University of California, Riverside

September 2019 - June 2024

B.S. Computer Engineering

Awards: Dean's List

Relevant Courses: Artificial Intelligence, Information Retrieval, Computer Security, Data Structures & Algorithms

## Experience

Insta360

June 2024 - August 2024

Software Engineer Intern

- Assisted mobile app engineers with development tasks, contributing to enhanced app functionality.
- Managed project tracking sheets for new feature requests, ensuring streamlined communication and delivery for end-user improvements.
- Collaborated with cross-functional teams to prioritize and track feature development aligned with user needs.
- Conducted testing and provided feedback on mobile app features to improve usability and performance.

## Computer Repair

March 2019 - May 2024

- Diagnosed and repaired hardware and software issues for a wide range of computer systems, ensuring customer satisfaction.
- Provided personalized technical support and solutions tailored to individual client needs.
- Built a loyal customer base through quality service, professionalism, and effective problem-solving.

## Projects

Linear Classifier

November 2023

- Conducted a comprehensive AI-driven analysis of the Iris dataset to classify three species of Iris flowers using linear classifiers, achieving an accuracy of up to 96%.
- Implemented and evaluated the effectiveness of different feature combinations, utilizing Python libraries such as scikit-learn, pandas, and matplotlib for data preprocessing, model training, and visualization.
- Developed and validated the linear classifier models by splitting the dataset into training and testing sets, and fine-tuned the models to determine the optimal separating hyperplanes, enhancing model interpretability and performance.

## Activities

UCR IEEE Robosub

April 2022 - June 2024

Software Lead

- Streamlined simulation setup by 50% through the development of a centralized knowledge base, effectively troubleshooting and resolving setup issues.
- Engineered automation solutions in Python, enhancing operational efficiency and performance during competitions.
- Led and mentored software team members in the design and implementation of innovative systems, driving success in competitive environments.

## IEEE K-8 Mentor

- Guided K-8 students through the preparation and participation in IEEE competitions, fostering their interest in STEM fields.
- Provided hands-on assistance with project design and implementation, encouraging creativity and problem-solving skills.

## Technologies, Skills, & Hobbies

Programming Languages

C/C++, Python, Verilog, Assembly, JavaScript, HTML/CSS

Technologies

Git, NodeJS, React, UNIX, Cloud & Containerization, API, mongoDB, OpenCV, AWS

Languages

Russian - Native Proficiency, Spanish - Limited Working Proficiency

Hobbies

Photography, Recreational Soccer & Basketball