

# Umidjon Muzrapov

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## EDUCATION

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University of Arizona, Tucson, AZ

**Bachelor of Science in Computer Science and Mathematics | GPA: 4.0**

May 2025

Selected Coursework: Software Development, Object-Oriented Programming and Design, Cloud Computing, Analysis of Discrete Structures, Computer Organization, Linear Algebra, Comparative Programming Languages

## SKILLS

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<b>Languages</b>	Java, Python, C#, C++, JavaScript, Bash Shell
<b>Frameworks</b>	Fork Framework, Node.js, React, Java Server Faces, Flink
<b>Technologies</b>	AWS, Lambda, Docker, Spring Cloud, Git, MySQL, DynamoDB, MongoDB
<b>Software Engineering</b>	Object Oriented Programming, Requirement Analysis, Scrum/Agile, Data Structures and Algorithms
<b>Other</b>	Effective verbal and written communication skills, strong problem-solving abilities

## WORK EXPERIENCE

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**Student Software Developer**

July 2022 – Present

**University of Arizona, Tucson, AZ**

- Developed a distributed web system to create and maintain the records of chemical sprays across the campus.
- Analyzed architectural and functional requirements to model the problem domain, designing components, interfaces, classes, and their relationships.
- Created API endpoints for CRUD operations in Oracle Database, with the endpoints supporting asynchronous calls for batch operations.
- Wrote comprehensive unit and integration tests with Mockito, JUnit, and NUnit, with code coverage exceeding 90%.

**Software Developer Intern**

May 2023 – August 2023

**Amazon Web Services, Sunnyvale, CA**

- Worked on the Internet of Things team to develop a web application for big customers to grant end users direct management of their resources.
- Architected a horizontally scalable web application in collaboration with senior engineers, which can support up to forty million users and 10,000 groups, with an average latency of 627 ms.
- Participated in code reviews to ensure highest coding standards and receive timely feedback.
- Built microservice to logically isolate tenant resources and data plane, using Serverless Application Model, Cloud Formation, and Lambda.
- Orchestrated services to dynamically generate scoped IAM permissions to secure tenant resources and improve user experience.

**Software Developer Intern**

May 2022 – July 2022

**TechCore, Tucson, AZ**

- Worked in the backend team to create the conceptual schema for Radian 360, an anonymous feedback platform.
- Created an event mediator to coordinate feedback delivery services, ensuring timely message delivery and consistency.
- Fixed the bugs related to message queuing, decreasing the error rate by 20%.

**IT Support Technician**

January 2022 – July 2022

**University of Arizona, Tucson, AZ**

- Provided technical support to system users of the College of Medicine, maintaining a 100% customer satisfaction score, and closing over 500 tickets.
- Partnered with infrastructure, development, and security teams to determine solutions to efficiently manage complex service requests.
- Assisted users with software installations, network setup, user-at-home remote setups, and extensive computer troubleshooting.