Saidamir Umarkhodjaev

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EDUCATION

University of Virginia   **Charlottesville, VA**
Bachelor of Science in Computer Science   *August 2021 - December 2024*
- **GPA**: 3.97
- **Relevant Coursework**: Data Structures and Algorithms, Computer Systems and Organization, Full-Stack Software Development, Machine Learning, Internet Scale Applications, Database Systems

WORK EXPERIENCE

Swift   **Manassas, Virginia**
Software Engineer Intern   *June 2023 - August 2023*
- Designed, developed, and tested a Spring Boot REST API with 50+ endpoints to provide a gateway for critical infrastructure commands, enabling automation capabilities.
- Containerized the multiprocess application to provide reliable load balancing and portability.
- Wrote clear, concise documentation with Confluence and OpenAPI to support users and developers.
- Communicated effectively with managers, engineers, and non-technical staff through presentations and daily meetings to ascertain goals, gain assistance, and ensure product delivery.
- **Technologies:** Java, Spring Boot, Open API v3, gRPC, Python, Maven, Docker, BitBucket, Jira

UVA Computer Science Department   **Charlottesville, Virginia**
Teaching Assistant - Computer Systems and Organization   *January 2023 - May 2023*
- Provided 1:1 tutoring to more than 30 undergraduate students in weekly office hours on subjects covering computer architecture, x86-64 assembly, Git, and C/C++.
- Guided students to enhance their understanding of coding fundamentals and equipped them with problem solving techniques to debug code and think through complex assignments.
- **Technologies:** C, C++, x86-64 Assembly, LLDB, Git

PROJECTS

Transfer Guide Web Application   *January 2023 - May 2023*
- Developed a Python based MVC web application through Django with a PostgreSQL database to enable users to quickly and easily transfer college class credit.
- Utilized Heroku and GitHub Actions for continuous integration of a robust product.
- Collaborated in a team of 5 utilizing a modified Scrum methodology with 2 to 3 week sprints.
- Executed extensive unit and integration testing with pytest to ensure application functionality.
- **Technologies**: Python, Django, HTML, CSS, Bootstrap, GitHub, GitHub Actions, PostgreSQL

Course Reviewer Application   *November 2022 - January 2023*
- Designed and developed a Java-based MVC application with a SQLite database managed through Hibernate ORM, enabling users to log in, create reviews, and view reviews.
- Configured the application to handle CRUD operations using Hibernate and SQLite.
- Conducted extensive unit testing utilizing JUnit and Mockito to ensure data integrity.
- **Technologies**: Java, JavaFX, Hibernate, Mockito, JUnit, SQLite, Git, GitHub

Personal Portfolio Website   *June 2022 - August 2023*
- Developed and launched a portfolio website utilizing React, Next.js, Tailwind CSS, and Vercel.

SKILLS & INTERESTS

Technical Skills: Java, Typescript, Javascript, Python, C/C++, SQL, CSS, HTML, Unix OS, Git, JSON
Frameworks/Libraries: Django, React, Spring Boot, Mockito, JUnit, Bootstrap, Tailwind CSS,
Languages and Interests : Conversational Russian, Chess, Tea