Rohan Mistry

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Education

University of Toronto   Toronto, ON
Bachelor of Science – Computer Science, PEY/ASIP Internship Stream   September 2021 – Present

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Databases, Operating Systems

Work Experience

Software Engineer Intern   May 2024 – Present
BlueCat   Toronto, ON
- Contributed to a **TypeScript and React front-end overhaul**, implementing new functionality, optimizing components, and fixing critical defects to accelerate a major product release
- **Developed REST API endpoints in Java**, resolved back-end defects, and wrote system tests using JUnit to enable real-time front-end updates and **reduce test failures by 15%**
- Wrote and maintained **Jest test suites** to **increase coverage by 30%** and ensure code quality was maintained
- Supported team onboardings for the new UI by completing code reviews, establishing best practices, and providing guidance to ensure smooth transitions for engineers

Software Developer   September 2023 – December 2023
UNICEF   Toronto, ON
- Developed an open-source web application using Python, JavaScript, and React to replace a proof-of-concept in an agile team for **over 100 UNICEF offices** worldwide to save licensing costs
- **Implemented a cloud-based version control feature** using Firebase and Flask to allow large teams to effectively manage multiple dashboards and propagate changes to clones
- Created a cloning feature across multiple instances of Superset to allow for a seamless transition between staging and production environments to reduce deployment time

Data Science Course Development Assistant   May 2023 – August 2023
University of Toronto – Department of Statistics   Toronto, ON
- Integrated Python data analysis and visualization libraries like Pandas and Statsmodels into coding and tutorial exercises to enhance the understanding of applications of data science techniques for **over 600 students**
- Coordinated collaborative efforts using Git and **created comprehensive unit tests** resulting in effective management of issues, code reviews, and updated lecture material

Projects

Interactive Scheduling System | React, JavaScript, Django, Python, SQLite
- Developed a meeting scheduling platform using React, Django, and the MVT architecture to ensure performance and maintainability of services
- Implemented REST APIs and user authentication, enabling robust frontend and backend interactions

UofTHacks - Quiet Study Spaces Locator | JavaScript, React Native
- Worked in a team of 4 during the UoftHacks hackathon to implement and optimize algorithms in JavaScript for audio analysis from user input files to locate quiet study spaces on campus

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, C, HTML/CSS

Frameworks: React, Django, Flask, Scikit-Learn, Pandas

Utilities: Git, JUnit, Jest, Selenium, PostgreSQL, SQLite, Firebase