

DINA KHATRI

dinakhatrib@berkeley.edu · [LinkedIn](#) · [Website](#)

OBJECTIVE

Detail-oriented Software Engineer with experience in software testing, development, and system enhancement. Proven ability to improve deployment efficiency, optimize workflows, and enhance data reliability. Seeking to leverage technical expertise in software engineering to build scalable and customer-focused solutions.

EDUCATION

UC Berkeley- Bachelor of Science

August 2024

Electrical Engineering and Computer Science

Relevant Courses: Designing Information Devices and System I & II, Structure and Interpretation of Computer Programs using Python, Data Structure and Algorithm using Java, Computer Architecture, Efficient Algorithms and Intractable Programs and Introduction to Artificial Intelligence, Computer Security and Cryptography

WORK EXPERIENCE

CALTRANS- Student Assistant

June 2023 - December 2023

- Updated internal systems with project data using Java and Eclipse, which ensured precise tracking and reporting, thereby improving data reliability.
- Collaborated with teams using agile methodologies to maintain and support project updates, enhancing system performance and team coordination, and ensuring alignment with technical requirements.

STRYKER- Software Test Engineer

June 2022 - August 2022

- Programmed the unit with the latest software using version control systems (GIT) and integrated development environments such as Quartus Prime Programmer and Eclipse, enhancing software deployment efficiency.
- Reported and tracked bugs in JIRA in an agile environment to ensure swift resolutions, optimizing product development cycles.

PROJECTS

Secure File Sharing System | Swift, Firebase

- Designed and implemented a secure system for storing and sharing files over an untrusted Datastore, defending against active adversaries.
- Built user authentication, encrypted file storage, secure file sharing via invitations, access revocation, and data integrity verification across multiple user devices.

Movie Database Web App | Ruby on Rails, Capybara, Cucumber

- Built a web application that allows users to create, read, update, and delete (CRUD) movie records.
- Integrated search and filter functionalities using Active Record queries and RESTful routes.

SKILLS

- Programming Languages:** Python, JAVA, C++, C, GO, SQL, Ruby/Rails, Swift
- Web Development:** RESTful APIs, HTML, CSS, JavaScript, Firebase
- Tools:** Git, JIRA, Eclipse, Bit Bucket, Quartus Prime, PCB Design
- Testing:** Unit Testing, Bug Tracking, Agile Methodologies

LEADERSHIP EXPERIENCE

Microsoft Student Ambassador

October 2021 - December 2023

BeelikeCoders 2022 & 2023 Hackathon -Lead Organizer

March 2022, April 2023

CERTIFICATES

UI/UX Design from Google

Issued on September 2021

AWS Cloud Practitioner

Issued on October 2024

AWARDS

Academic Honor Student

December 2019 - August 2024

Dean's List 4.0 GPA

March 2021