

# DINA KHATRI

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## 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

### STRYKER- R&D Test Engineer Intern

July 2025 - Present

- Conduct HDMI compliance and flicker testing to ensure device performance meets industry standards.
- Manage source code and testing workflows through Gitlab.
- Automate test cycles to improve efficiency and consistency of validation processes.

### 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 Intern

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 | Go, Cryptography & Encryption, Secure System Designs

- 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**

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Microsoft Student Ambassador	October 2021 - December 2023
BeelikeCoders 2022 & 2023 Hackathon -Lead Organizer	March 2022, April 2023

**CERTIFICATES**

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UI/UX Design from Google	Issued on September 2021
AWS Cloud Practitioner	Issued on October 2024

**AWARDS**

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Academic Honor Student	December 2019 - August 2024
Dean’s List 4.0 GPA	March 2021