

Riya Jain

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EDUCATION

University of Illinois at Urbana-Champaign

Urbana-Champaign, IL

Bachelor of Science in Computer Science, Minor in Statistics — GPA: 4.0

Aug. 2022 – May 2025

- Campus Honors Program Chancellor's Scholar
- **Relevant Coursework:** Data Structures; Computer Architecture; Linear Algebra; Discrete Math; Calculus I-III

EXPERIENCE

Software Engineering Intern

May 2023 – Present

Shedd Capital

Chicago, IL

- Working in a full-stack agile environment using Vue.js, Javascript, Django, Python, and AWS
- Maintaining & updating a Postgress database to develop a comprehensive dashboard of aerospace industry information

Research Assistant - SPIN Intern

Dec. 2022 – Jun. 2022

National Center for Supercomputing Applications

Champaign, IL

- Used python to package & publish ML models to an open-source interface called DLHub to increase the accessibility of computational models created for scientific research

Software Developer

Sep. 2022 – Present

Disruption Lab at Gies School of Business

Champaign, IL

- *Gies VR:* Worked to develop an interactive Virtual Reality world using Unity, C#, Figma, and Git
- *AI Essay:* Created a tool using React, AWS, Python, and the OpenAI API to automate essay grading for TAs

Software Developer

Nov. 2021 – Aug. 2022

Young Jains of America

- Designed & developed components of YJA mobile app used by 750+ people with Figma, JS, and React Native

Fermi National Accelerator Laboratory Intern

Jun. 2021 – Aug. 2021

TARGET Internship Program

Batavia, IL

- Worked with team to analyze data using Python from beam particle monitors within accelerators to improve physics experiments and presented findings to board of scientists

PROJECTS

DermaVision | *Swift, TensorFlowLite, Python, Git, Firebase, Figma*

Jan. 2022 – May 2022

- Created a Swift app to increase accessibility to medical knowledge on skin cancer with a machine learning algorithm to detect healthy skin, benign tumors, and malignant tumors
- Incorporated a UV Index forecast, skin health log, and sunscreen reminders using location-based tracking
- Held focus groups, ran testing, wrote marketing plan, and delivered multiple oral presentations

COVID-19 Spread and Vaccination Simulator | *Java, JavaFX, JSON, Git*

Jan. 2022 – May 2022

- Created a live simulation showcasing the contraction, spread, immunization, and death due to COVID-19 within a small population in Java

EXTRACURRICULAR ACTIVITIES

Women In Computer Science: Corporate Committee Co-Chair

Disruption Lab: Software Developer

Society of Women Engineers: Community Service Committee

Other Organizations: Jain Students Association, Illini Raas

SKILLS

Languages: C++, Java, HTML, CSS, Python, SQL, C#, Swift, JavaScript

Tools and Frameworks: React, Svelte, Vue, Django, Git, GitHub, Docker, Unity, Figma, SwiftUI/UIKit, Google Firebase, Android Studio, Adobe Suites, Microsoft Office

Libraries: TensorFlow, Beautiful Soup, Selenium, JavaFX, Brain.js, pandas, NumPy, Matplotlib, Matter.js, Java FXGL

Spoken Languages: English, Gujarati, Spanish