

# Kazmain Shah

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## EDUCATION

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### University of Illinois Urbana-Champaign

*Bachelor of Science in Computer Science + Economics*

Champaign, IL

*Expected May 2024*

- GPA: 3.77; Junior
- Activities and societies: Association for Computing Machinery (ACM), Decentralized Applications (DA), Pakistani Student Association (PSA)
- Achievements: Dean's List Fall 2022

## EXPERIENCE

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### Data Entry Specialist

*LabCare*

November 2021 – March 2022

*Streamwood, Illinois*

- Responsible for receiving samples of saliva and analyzing if there were traces of Covid-19 in them. Also responsible for inputting and managing Patients information into the Lab's database.
- Created QR code system where patients had the option of filling out their information through their phone which would automatically output into the lab's database. This implementation drastically increased efficiency of the employees, and reduced waiting times of results.
- Promoted to Data Entry Specialist where I hired, taught, and supervised over fifteen employees at a Covid-19 testing lab. During the winter of 2021, where Covid-19 was at its peak, my employees and I played a part in sending over 30,000 test results in just the span of a month

### Co-Owner

*Shifa Point LLC*

May 2021 – March 2022

*Hoffman Estates, Illinois*

- Organized pop-up covid-19 testing sites in various churches and schools in the Chicago land area. Offered PCR, and rapid tests which were processed through LabCare Streamwood.
- Partnered with over ten churches and schools to provide weekly testing to ensure safety for all members.
- Hired a team with medical experience to swab patients and coordinated shifts for each employee.

## PROJECTS

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### OpenFlights Data Analysis Project *C++*

- Used the OpenFlights Data set which incorporated tens of thousands of Airports and routes between them
- Utilized the Cmake software for testing and compiling my code
- Parsed through a CSV file, stored each elements into data structures, and constructed an Adjacency List to initialize a Weighted Graph
- Implemented algorithms such as Breath First Search, PageRank, and Dijkstra's algorithm to conclude information such as number of connected components in data set, most important airports, and the shortest path between two individual nodes
- Created several Test Cases to ensure my code was working correctly
- Developed an executable which showed information I was able to retrieve about the dataset

### Personal Portfolio Website *React*

- Created a full functioning personal website which incorporated advanced styling techniques such as CSS Grids, Flexbox, and Animations. ([kazmainshah.com](http://kazmainshah.com))
- Utilized component-based coding, including the creation and customization of reusable components for use across multiple projects
- Demonstrated ability to troubleshoot and debug issues related to React components

## SKILLS

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- Spoken Languages - English, Sindhi, Spanish
- Programming Languages - C++, Java, React, Latex, Python, R, JavaScript, HTML, CSS
- Leadership - Coordination of Work and Communication between all members
- Adaptability - Immediate response to unexpected situations
- Teamwork - Understanding my role and how to work with peers
- Resourcefulness - Being able to find creative solutions to problems