

# JAMAL KHADIR

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## SKILLS

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C++ | Python | Java | C# | React | JavaScript | NodeJS | NextJS | Express | HTML | CSS | SQL | NoSQL | Git | UNIX

## WORK EXPERIENCE

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### Fordham University

New York City, NY

Computer Science Tutor

Aug. 2022 – May 2023

- Selected to be a tutor for undergraduate Computer Science students at Fordham University due to being one of the highest-standing students in the class.
- Assisted students in Computer Science I, Computer Science II, and Data Structures.
- Answered questions regarding class topics and expanded on information resulting in better retention of knowledge and an increase in the mean final grade by ~5% per semester for attending students.

### Astoria Internet Café

Queens, NY

Technician

Jun. 2019 – Feb. 2020

- Maintained all computers by running system checks, performing necessary upgrades, as well as completing repairs as necessary.
- Helped multiple customers diagnose their systems and gave instructions on proper repair procedures.
- Managed ggLeap, a cloud-based management system, that allowed systems to be monitored remotely.

## PROJECTS

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### Crypto Currents *React, NextJS, JavaScript, HTML, CSS*

<https://crypto-currents.vercel.app>

- Developed a service that displays the current values, relative percentage changes in price, and market caps of the top 30 most relevant crypto currencies, while **updating in real time** using the **CoinGecko API**.
- Implemented a search bar so that users can easily filter through different crypto currencies.
- Upon clicking on one of the crypto currencies, the user is redirected to a simplified card with information.
- Created a custom logo using Adobe Photoshop used to route the user back to the home page.
- Utilized **React** for the front-end and **NextJS** for the back-end to optimize code splitting, static site generation, and server-side rendering, reducing the site latency by over **50%**.
- **Deployed** using **Vercel**.

### Real-Time Chat Application *React, NodeJS, SocketIO, JSX, CSS*

<https://jamalkhadir-chatapp.netlify.app>

- Created a **full-stack application** which allows users to create a display name and connect to various rooms via distinct room IDs and chat with other users in **real time**.
- Utilized **React** and **JSX** for the front-end UI components and handled interactions with **SocketIO** for the back-end, allowing for a seamless live chat feature.
- Displays the sender of the message as well as implements **auto-scrolling** whenever a message is sent and various stylizings in **CSS** to make chatting as convenient as possible.
- **Tracks users** with their own hidden user IDs, and keeps the distinct room IDs in check.
- **Deployed** front-end on **Netlify** and back-end on **Heroku**.

## EDUCATION

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### Fordham University

New York City, NY

B.S. in Computer Science

Aug. 2020 – May 2024

- Cumulative GPA: 3.82, Major GPA: 4.0
- 3-Year Consecutive on the Dean's List.
- Relevant Courses: Theory of Computation, Computer Algorithms, Computer Organization, Data Mining, Information & Data Management, Data Communications & Networks, Data Structures, Discrete Structures, Calculus, Statistics.