Maaz Siddiqi

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EDUCATION

Western University   2025 (Expected)
BSc, Computer Science, Minor in Software Engineering   **GPA:** 3.9/4.0
Awards: Scholarship of Distinction, Dean's Honors List (2021)

WORK EXPERIENCE

Honest Empathy, Software Development Intern   Sept. 2022 – Present
ReactJS, ExpressJS, PostgreSQL, Sequelize, AWS, Firebase, Docker
- **Optimized core recommendations algorithm by 80%** after incorporating parallel data handling and consolidating queries
- Enhanced app analytics with Google Analytics and used Firebase for real-time and miscellaneous data storage
- Implemented **API Cron jobs using AWS** Lambda functions and Event Triggers, and provisioned new RDS databases
- Efficiently integrated Docker into codebase, including local database instancing, hot-reloading, and auto-start sequence

Opal, LLC., Software Development Intern   June 2022 – Oct. 2022
MongoDB, ExpressJS, ReactJS, NodeJS, Socket.io
- Implemented a model to facilitate major database schema changes and translating existing data to updated tables
- **Developed core real-time chat feature** with WebSockets and Socket.io, beta-tested by over 200 users
- Identified and reduced major database design flaws, including data duplication and inefficient data storage within non-relational database, **reducing average API request times by 50%**

LEADERSHIP & PROJECTS

Hack Western, Organizer (Full Stack Developer)   April 2022 – Present
ReactJS, NextJS, Typescript, TailwindCSS, Prisma, PostgreSQL
- Built a promotional site and application portal producing **1100+ applications,** and a live site that facilitated **500+ users**
- Implemented complex UI components, using effects including parallax, carousels, animations, and autosave
- Created REST APIs featuring **user authentication, OAuth, sign in, and signup flows**
- Designed relational database schemas and integrated type-safe interactions with Prisma ORM

Western Developers Society, Tech Lead (prev. Developer)   May 2022 – Present
ReactJS, NodeJS
- **Led development and maintenance** of club's main site, and supervised all developer teams within the club, **providing technical assistance** and ensuring progress on projects
- Hosted development workshops and managed technical systems during club events
- Assisted in organizing club tournaments, ensuring fair submissions, and finalist judging

UWO Timetables   April 2022 – Present
ReactJS, NextJS, Redux, TailwindCSS, NodeJS, NextAuth, Prisma, PostgreSQL
- **Smart student organization hub** to modernize the course selection process at Western University (UWO), with features including degree assisted course planning, course and professor reviews, and assignment deadline tools
- Built **web scrapers in Python** for public university sites to extract course data from Western's database
- Integrated full-fledged **user authentication using NextAuth,** and complex **state management through Redux**

Hack The North, EYES.py   Sept. 2022
Python, Adhawk SD Kit
- Created an analytics tool to generate heatmaps using vision detection for insight on user attention direction on a site
- Utilized Adhawk Microsystem's MindLink **eye-tracking glasses** to get user vision coordinates on screen as input for **custom heatmap generation algorithm** with scalable precision

ADDITIONAL SKILLS

Tech Stack: Java, Python, C#, Unity, HTML/CSS, Javascript (ES6), Typescript, ReactJS, NodeJS, SQL, MongoDB, PostgreSQL
Tools: Redux, NextJS, Socket.io, Prisma, ExpressJS, Firebase, AWS, Jira, Confluence, Docker, Git and GitHub, Googling
Interests: Machine learning and AI, Augmented Reality, Hackathons, Fitness, Badminton, Basketball, Rock Climbing, Cooking