

Abdel-Rahman Mobarak

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SKILLS

Languages: Java, Python, TypeScript, JavaScript, C++, SQL, HTML/CSS

Frameworks and Tools: NextJS, React, NodeJS, Tailwind CSS, PostgreSQL, Git, Microsoft Office

EXPERIENCE

Logistics Officer 2025 – Present

QHacks Kingston, ON

- Developed **internal tools** to streamline venue bookings for Queen's University's Premier Annual Hackathon
- Using **software-driven project management platforms** to coordinate logistics for all participants
- Actively **representing** the association in external meetings, conferences and school assemblies

Co-Chair 2025 – Present

Queen's Data Analytics Association Kingston, ON

- Appointed to co-lead all **executive teams**; implementing workshops, case competitions and industry partnerships
- Promoting **professional development** within the Queen's community through data literacy
- Actively **representing** the association in external meetings, conferences and school assemblies

Data Analyst 2025 – Present

Queen's Sports Analytics Association Kingston, ON

- Working on upcoming **data collection** and **cleaning pipelines** for sport datasets
- Designing dashboards in **Python and SQL** to visualize team and player performance
- Assisting in creating analytic projects, including **data-driven reports and visualizations** to be published

Athletics Director 2025 – Present

Queen's Computing Students Association (COMPSA) Kingston, ON

- Directing the Athletics portfolio for the **official Computing student government at Queen's University**
- Leading a team of executives for **venue booking and logistics** to engage with **all students at Queen's**
- Collaborating with **11** other portfolios to co-host joint events

EDUCATION

Queen's University Expected Graduation: April 2028

Bachelor of Computing (Honours) — Minor in Statistics Kingston, ON

CHOSEN PROJECTS

Incendium Academy | *TypeScript, Prisma, Tailwind CSS* — **Live Demo**

- Built an online STEM contest preparation platform, **funded by Rising Youth's community service grants**
- Optimized site performance, improving load times and **web responsiveness by 48%**
- Enhanced backend infrastructure by maintaining and extending APIs for **user tracking and progress**

CostWise | *Next.js, TypeScript, PostgreSQL, Better Auth, Tailwind CSS* — **Live Demo**

- Shipped a full-stack university expense planner, **used by 100+ students**
- Implemented secure authentication and database interactions with Better Auth
- Deployed Neon-hosted PostgreSQL for **efficiency**
- Designed a responsive UI/UX which enables students to receive tailored cost breakdowns

Hoop Duels | *React, TypeScript, Python (Flask), NBA API, Figma* — **GitHub**

- Developed a dynamic web application that compares two NBA players' statistics using the NBA API
- Built a Flask API wrapper for NBA endpoints; reducing manual stat lookup time by approximately **70%**
- Designed and implemented the interface with React, using TypeScript for maintainable code