Shiyuan Miao

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Education

University of the Fraser Valley | BS in Computer Science *Sep 2018 – May 2020*

- Earned awards for excellence in academic performance

Simon Fraser University | BS in Computer Science *May 2020 – Jan 2024*

New York Institute of Technology | MS in Cybersecurity *Sep 2024 – Present*

Technical Skills

- **Programming languages:** Python, SQL, Javascript, TypeScript, Java, HTML, CSS
- **Frameworks / Libraries:** React, Vue, MobX, Express, Flask, Graphite
- **Tools / Platforms:** Git, Firebase, CircleCI, GCP, Okta, Grafana
- **Database:** MySQL, PostgreSQL

Work Experience

Software Engineer | DraftKings Inc. | Vancouver, BC *May 2024 – Present*

- Developed and promoted a issue reporting system integrated with Slack, enabling users to report problems directly from the application. Issues are automatically sent to Slack, tagging relevant team members, significantly enhancing efficiency in identifying and resolving issues.
- Currently integrating a React application into a larger project using a **micro-frontend** architecture. Responsible for refactoring the existing codebase to align with the micro-frontend framework, optimizing the build process, and ensuring smooth interoperability between React components and other frontend modules.

Full-Stack Developer | Sports IQ Analytics | Vancouver, BC *Sep 2022 – May 2024*

- Played a key role in developing and maintaining a web application for real-time sports betting odds, tailored for both internal traders and external clients, using **React** and **WebSocket** for seamless front-end communication with the backend. Deployed an **Express** proxy service on **Google Cloud Platform** and integrated **Okta** for secure user authentication and encrypted traffic.
- Created and launched the company's first continuous integration pipeline using **CircleCI**, improving deployment efficiency through automation and Slack notifications.
- Implemented **Grafana** with **Graphite** for monitoring multiple applications, ensuring system stability, early detection of issues, and providing valuable insights for performance optimization.