

EXPERIENCE

- **Ceridian - Dayforce** Toronto, ON
Software Developer June 2022 – Present
 - **React / Next.JS:** Leveraged React and Next.js to create a robust and performant frontend, delivering an exceptional user experience while prioritizing search engine optimization and accessibility.
 - **Azure:** Utilized Azure's cloud functions, key vaults, service bus, and other cutting-edge services, while effectively utilizing Azure DevOps to efficiently manage and deploy code, ensuring seamless execution and streamlined operations.
 - **Twilio:** Played an integral role within a small, dynamic team, collaborating from start to finish to develop an easy-to-use micro-frontend in just a few months, enabling recruiters to effortlessly communicate with candidates via Twilio's robust messaging API.
 - **Microservices:** Engineered independent, highly-tested microservices to ensure optimal scalability, maintainability, and resiliency, enabling smooth operations in a distributed system environment.
 - **Kafka:** Leveraged Kafka producers and consumers to establish efficient communication channels between systems, allowing seamless and reliable data flow while optimizing overall system efficiency.
 - **.NET:** Implemented best-practice .NET code, incorporating a well-structured architecture with controller, business, and data access layers, resulting in an easily comprehensible and highly testable codebase.
- **Ceridian - Dayforce** Toronto, ON
Software Developer Intern Sept. – Dec. 2019 & 2020
 - **Agile Development:** Collaborated in an agile development team, employing efficient three-week sprints to efficiently develop new features and resolve bugs promptly.
 - **Application Modernization:** Revamped webpage from Silverlight to HTML5/JavaScript, streamlining performance, minimizing user dependencies, and modernizing the codebase for seamless future updates.

PROJECTS

- **Minecraft Speedrunning Reset Efficiency Analytics:**
 - **Highly-Scalable:** Processes millions of data points in under a second due to being highly optimized.
 - **UI Focused:** Displays a substantial amount of data in a simple and effective way with React and Recharts.
- **Minecraft Speedrunning Multi-Instance Manager:**
 - **Optimizations:** Controls process suspension, CPU affinity and working set size to reduce hardware requirements.
 - **High Usage:** Used by thousands of players (incl. xQc, Tfue and Simply) to increase efficiency by up to 1800%.
 - **Fully Open-Source:** Operating as an open-source project on GitHub with many contributors.
- **Personal Portfolio Website:**
 - **GitHub Integration:** Automatically fetches my latest project and their stats from GitHub through its API.
 - **Custom Themes:** Seamless dark-mode toggle taking advantage of React's Context API.
- **Automated Tabulation System:**
 - **Computer Vision:** Utilizes the Azure Vision API to increase speeds by over 300% vs manual input.
 - **Firebase:** Interfaces with Google's Firebase Authentication for a simple and secure user experience.

EDUCATION

- **University of Toronto, St. George** Toronto, ON
Honours Bachelor of Science in Computer Science Sept. 2017 – May 2023

PROGRAMMING SKILLS

- **Languages:** JavaScript, TypeScript, C#, Python, SQL, Java, HTML/CSS
- **Frameworks and Libraries:** React.js, Next.js, Node.js, Express.js, Jest, .NET
- **Tools:** MongoDB, Firebase, Git, Jira, Azure, Linux, CI/CD, Docker, JWT