

## EDUCATION

<b>BSc in Computer Science</b>	<b>Brock University</b>	<b>Expected July 2025</b>
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- **Relevant Coursework:** Data Structures, Algorithms, Database Management, Software Engineering, Natural Language Processing, Neural Networks, Robotics
- **Certificates:** Meta Front-End Developer, Meta JavaScript Programming, Meta Version Control

## SKILLS

- **Languages:** Python, JavaScript, TypeScript, Java, SQL, HTML, CSS
- **Frameworks/Libraries:** React, Next.js, Node.js, Numpy, Pandas, TailwindCSS
- **Developer Tools:** Git, GitHub, VS Code, PyCharm, IntelliJ, Cursor, CLI, Jira

## EXPERIENCE

<b>Pro Shop Team Lead</b>	<b>Grand Niagara Golf Club</b>	<b>Apr 2023 - Present</b>
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- Developed and deployed a Python/CSV tool automating guest pass tracking, replacing an error-prone manual system and reducing transaction times.
- Diagnosed and resolved IT issues, optimizing printer configurations facility-wide to reduce waste and improve operational efficiency.
- Led daily POS operations (150+ transactions/day), enhancing procedures to contribute to a 25% reduction in discrepancies.
- Trained and onboarded 5+ new team members on all operational procedures, POS software, booking systems, and opening/closing duties.
- Managed daily check-in for 200+ golfers, optimizing course flow and customer experience through optimized procedures.

<b>IT Support Technician (Co-op)</b>	<b>Government of Canada</b>	<b>Sep 2022 - Dec 2022</b>
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- Contributed to the management and support of over 100,000 mobile devices across federal branches using Mobile Device Management (MDM) solutions, minimizing potential downtime.
- Executed systematic weekly infrastructure health checks on critical servers, identifying potential issues to contribute to nation-wide service stability and outage prevention.
- Performed routine back-end server maintenance tasks (e.g., monitoring, updates) contributing to the achievement of high system availability.
- Collaborated with large-scale technology vendors in weekly meetings to align on technical requirements and escalate critical support issues.

## PROJECTS

<b>CourseMix</b>	<b>Next.js / React / TypeScript</b>	<b>2025</b>
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- Designed and developed an academic planning platform for Brock University students, leveraging AI-assisted coding tools within a manually architected structure to accelerate development.
- Engineered core algorithms for features including: targeted course suggestions based on degree progress, projected graduation date calculations, and encrypted storage of user grades.
- Implemented key front-end components including user dashboard and academic progress visualization pages using React and Next.js.

<b>Gastimator</b>	<b>Next.js / React / JavaScript</b>	<b>2024</b>
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- Developed a utility web application enabling users to estimate trip fuel costs based on route, vehicle efficiency, and gas prices.
- Integrated Google Maps Distance Matrix API for accurate route distance calculation.
- Created a custom algorithm combining API data and user inputs (vehicle efficiency) to provide near-instant cost estimates.