

# Josh Shergill

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## EDUCATION

<b>University of Toronto - St. George</b> <i>Bachelor of Science in Computer Science, Minor in Statistics</i>	Toronto, ON 2022 - 2026
<ul style="list-style-type: none"><li><b>Relevant Coursework:</b> Software Engineering &amp; Design, Web Dev, Systems, Data Structures &amp; Algorithms, Linear Algebra, Databases, UI/UX Design, Data Science &amp; Analysis, AI, Machine Learning</li><li><b>Clubs:</b> Google Developer Student Club - <i>Director of Operations</i></li></ul>	

## PROJECTS

<b>Camel</b> ( <a href="http://saycamel.com">saycamel.com</a> )   <i>Next.js, React.js, Python, Gemini, Vercel, Supabase</i>	Jan. 2025 – Present
<ul style="list-style-type: none"><li>Founded and scaled a full-stack campus event discovery platform designed to handle 30k+ monthly API calls, continuous scraping jobs, and real-time recommendation inference</li><li>Developed a machine learning engine leveraging TF-IDF vectorization and category-aware similarity scoring, achieving 92% accuracy through real-time user preference learning and behavioral analysis</li><li>Automated data pipeline using Selenium and Gemini API for processing 400+ events weekly from 1k+ sources</li><li>Managed a team of 10 to assist in accelerating platform growth to over 800 accounts &amp; 4.1k monthly visitors</li></ul>	

## EXPERIENCE

<b>Software Engineer Intern</b> <i>Boost Collective</i>	Dec. 2025 – Present Toronto, ON
<ul style="list-style-type: none"><li>Maintaining a large-scale PNPM monorepo powering tools used by 50k+ musical artists, resolving cross-package build issues and improving site speed</li><li>Built artist-facing analytics tools with a robust backend, processing 1M+ streaming data points for royalty modeling, growth projections, and statistical anomaly detection</li><li>Integrated a headless CMS tool enabling non-technical teams to manage static content and publish SEO-optimized blog posts, streamlining user acquisition funnels</li></ul>	
<b>Software Developer</b> <i>Department of Computer Science @ UofT</i>	May 2025 – Dec 2025 Toronto, ON

<b>Software Engineer Researcher</b> <i>Ontario Institute for Studies in Education @ UofT</i>	Sept. 2024 – Dec. 2024 Toronto, ON
<ul style="list-style-type: none"><li>Designed an interactive navigation interface by architecting React components, managing state and data flow, and integrating backend services following MVC principles, boosting user engagement by 50%.</li><li>Redesigned backend dashboard architecture, reducing data retrieval time from Firebase by 75% on balanceai.ca.</li></ul>	

## SKILLS

**Languages:** Java, Python, C/C++, TypeScript/JavaScript, Ruby, Swift, R, GoLang, SQL, Assembly, HTML5/CSS3  
**Frameworks:** React, Express, Next.js, Node.js, Flask, Tailwind, Pytorch, JUNIT  
**Developer Tools:** Git, Powershell, Claude Code/MCPs, AWS, Databricks, GCP, Prisma, Docker, Supabase  
**Libraries:** pandas, NumPy, Seaborn, Altair, Matplotlib, YOLOv5, jest, pytest

## AWARDS

<b>Amazon Web Services x UofT IEEE Hackathon, 1st Place</b>   <i>Eventuary</i>	Dec. 2024
<ul style="list-style-type: none"><li>Received 1st place prize using AWS architecture like Lambda, DynamoDB, Bedrock, Kendra, and Cognito.</li></ul>	
<b>UofT Centre for Entrepreneurship Venture Spotlight</b>	Feb. 2026