

Efe Bolukbasi

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EDUCATION

Queen's University

Kingston, ON

- *Bachelor of Computing (Honours), Software Design Specialization* | GPA: 4.02/4.3
- **Relevant Coursework:** Computer Architecture, Data Structures & Algorithms, Operating Systems

SKILLS

Programming Languages: Java, Python, C, JavaScript, Scala, Typescript

Frameworks & Tools: React.js, LaTeX, DynamoDB, Amazon Web Services, PostgreSQL, Azure, PyTorch

EXPERIENCE

PureFacts Financial Solutions

Toronto, ON

Software Engineering Intern | Scala, Python, Git, Playwright, Azure, PostgreSQL

May - Sep. 2025

- Contributed to software development of PureRewards features, collaborating with engineers to implement bug fixes, optimize workflows, and improve platform stability.
- Automated 300+ manual QA test cases for the PureRewards platform using Python and Playwright, reducing testing time by 70% and saving hundreds of QA hours per release.
- Developed and maintained an automated test framework integrated into CI/CD pipelines, improving defect detection by 30% before production.

Queen's AutoDrive Club

Kingston, ON

Perception Team Member | Python, Git, Docker, AI

Sep. 2024 - Present

- Contributing to the design and development of a 3D LiDAR-based object detection system, enhancing the autonomous vehicle's perception and situational awareness.
- Collaborating cross-functionally to integrate perception data with other subsystems, fostering a cohesive and fully autonomous solution.
- Spearheaded testing and optimization of perception models in both simulated and real-world conditions, ensuring accuracy and reliability for competition standards.

PROJECTS

Interns Hub | Typescript, React, Tailwind CSS, PostgreSQL, Supabase

More at internschat.netlify.app

- Built a full-stack social platform with real-time chat, group creation, music sharing, and status feeds, enabling live collaboration between interns worldwide.
- Implemented secure authentication, role-based access, and subscription billing using Supabase and Stripe, ensuring data privacy and monetization.
- Designed a responsive, modern UI with 3D animations (Three.js) and mobile-first design, improving engagement and accessibility.

Rot or Not - QHacks 4th place | JavaScript, HTML, CSS, Google's Gemini API, Chrome Extension APIs

- Developed a Chrome extension for real-time productivity tracking, utilizing Google's Gemini API to determine whether visited websites are productive or unproductive.
- Implemented a dynamic pie chart to visualize productive versus unproductive time, featuring a time bank system that rewards productive browsing by increasing leisure time and redirects users from unproductive sites once the time bank is depleted.

Weather App | JavaScript, DynamoDB, AWS CloudFront, Lambda

- Developed a serverless weather app using AWS services including S3, CloudFront, DynamoDB, and Route 53, ensuring high availability and scalability.
- Implemented serverless Lambda-based backend and DynamoDB to efficiently store and track website view counts, enabling real-time analytics and monitoring.
- Integrated APIs to dynamically update images and weather information based on user queries, providing a personalized and interactive user experience.