# Yesom Son

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## EDUCATION

**University of Toronto**                                                                                           Sept 2019 – Dec 2024
Honours Bachelor of Science, Computer Science | Software Engineering Stream                    GPA: **3.50** / 4.0
**Relevant Courses:** CSCC09 (Web Programming), CSCC43 (Intro to Databases), CSCD01 (Engineering Software Systems)

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Java, Python, C, C#, HTML, CSS, Sass/SCSS
**Databases:** SQL (MySQL, MSSQL, PostgreSQL, SQLite), NoSQL (Neo4j, MongoDB, Firebase)
**Framework and Tools:** React, Angular, Node.js, Next.js, Socket.io, Git, ASP.NET, Docker, AWS, Jira, Figma, GoCD
**Concepts:** REST APIs, GraphQL, Agile Methodologies, Testing (Unit, Integration, Workflow, BDD), CI/CD, UI/UX

## EXPERIENCES

**Taq Automotive Intelligence** | Full-Stack Developer Intern                                        May 2023 – Dec 2023
- Resolved **100+** Jira tickets, addressing bugs and implementing new features
- Scripted efficient **SQL** queries (**MSSQL**) and resolved **Entity Framework** issues to improve database management
- Implemented transactional locks with auto commit/rollback to ensure atomicity & consistency in high-load systems
- Developed UI components in **Angular** to enhance the messaging features of the web application
- Managed **GoCD** deployment pipelines with on-call rotations for prod deployments
- Resolved **C#** and **ASP.NET** issues caused by .NET upgrade, maintaining compatibility and system functionality
- Created unit tests, **Kafka**-based workflow tests, and BDD tests with **SpecFlow** to ensure system robustness

## PROJECTS

**BeatCode** (Github)                                                         Angular | Node, Express | PostgreSQL
- Web-based game platform in **Angular** and **Node** for coding challenges with AI/real players and performance/rank tracking
- Integrated **Monaco** editor and **Judge0** API for code compilation and execution
- Developed real-time features with **Socket.IO** and **Yjs**, including user matching, code tracking, and friend activity
- Built REST APIs that interact with Leetcode's **GraphQL** API to read profiles and problems, and execute code submissions
- Implemented **OAuth** 2.0 for user authentication/authorization, and Socket.IO authentication to prevent impersonation
- Deployed the application on a **Virtual Machine** using **Docker** and Docker Compose

**Personal Website** (Github, Website)                                                          React | Framer Motion
- Created a **responsive** website using **React** to display personal portfolio and showcase projects
- Designed UI from scratch in **Figma**, and used **Framer Motion** to create custom animations

**Social Network for Stocks** (GitHub)                                     JavaScript | Node, Express | PostgreSQL
- Built a full-stack web-app using **JavaScript** and **Node** for stock portfolio management with social features
- Optimized **PostgreSQL** database with caching and indexing
- Built statistical analysis features to evaluate stock and portfolio performance using 5+ years of S&P 500 data

**Doctor Appointment** (Github)                                                  Java | Android Studio | Firebase
- Developed an **Android application** in **Java** enabling doctors and patients to manage their schedules and appointments
- Used **Firebase Realtime Database** for data management and applied the **MVP design pattern** for maintainable code