Chaeho Yoon

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EDUCATION

University of Toronto — Expected Graduation:
BASc in Computer Engineering, Minor in AI and Business — *Apr 2026*
- **Relevant Courses:** Data Structures & Algorithms, Operating Systems, Object-Oriented Programming (C++), Machine Learning (Python), Computer Networks, Systems Programming

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL, C++, C, HTML/CSS
Frameworks & Tools: React, React Native, Spring Boot, Node.js, Express, Redux, JRuby, TensorFlow, PostgreSQL, MySQL, Redis, Kafka
Cloud & DevOps: AWS (AppRunner, EC2, RDS), Firebase, Google Cloud, Docker, Git, Jenkins, TeamCity, CI/CD, Linux/Unix

EXPERIENCE

Junior Fullstack Engineer I — May 2024 – Aug 2025
BiblioCommons, a Volaris Group Company — *Toronto, Canada*
- Shipped **10+ production features** for a **20M+ user** library platform, including system-wide messaging UI and Browse & Discover page using **React/JavaScript** and **JRuby**.
- Reduced legacy codebase by **30%** by architecting migration of shared components into the primary application, eliminating cross-repository dependencies and improving developer velocity.
- Expanded **GA4** analytics coverage by **25%** by instrumenting event tracking across frontend and backend, enabling data-driven decisions on user engagement and content visibility.
- Deployed **10+ releases** to **200+ libraries** via **TeamCity CI/CD** with **zero downtime**; proactively identified performance issues using **Datadog** monitoring.

Software Developer Intern — Jun 2023 – Aug 2023
FACO — *Seoul, Korea*
- Built an internal dashboard using **React**, **TypeScript**, and **Node.js/Express** to streamline employee task tracking, reducing manual reporting time by **40%**.
- Designed and implemented **5 RESTful APIs** with **PostgreSQL** integration for user authentication and resource management, supporting **50+ internal users** and powering real-time dashboard functionality.
- Deployed application on **AWS EC2** with **Docker** containerization, ensuring **99%+ uptime** for internal operations.

PROJECTS

Learnify (learnify-bytes.com) | *React Native, Spring Boot, Python, AWS* — Aug 2025 – Present
- Launched AI learning platform for **550+ daily students** across **3 Canadian universities**, featuring AI-generated videos and active recall quizzes.
- Architected auto-scaling **AWS infrastructure** (**AppRunner, ALB, EC2, RDS**) with **Spring Boot** backend achieving **99.9% uptime** and **sub-200ms** API response times.
- Built and shipped cross-platform mobile apps to **App Store** and **Google Play** using **React Native**, **Expo**, and **Redux**.

CourtView (Capstone) | *Python, TensorFlow, React Native, Firebase, Google Cloud* — June 2025 – Present
- Building AI-powered court availability platform for **500+ public courts** in GTA using **TensorFlow** with **85%+ prediction accuracy**.
- Engineered data pipeline with **Python** and **Google Places API**, processing real-time data for **500+ court locations**; built **React Native** app with **Firebase** serverless backend.
- Implemented **GeoFirestore** for efficient location-based queries, optimizing data retrieval for users searching across the GTA.