

Jonathan Gorbachev

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U.S Citizen

EDUCATION

Carleton University Expected April 2026
Bachelors of Science Honours in Computer Science, Minor in Mathematics — 3.77/4 GPA Ottawa, ON
Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Object Oriented Programming,
Software Engineering, Database Management

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, TypeScript, HTML/CSS, SQL
Frameworks: ReactJS, NextJS, NodeJS, Express
Tools/Technologies: RESTful API, Redis, Git, GitLab, GitHub, AWS S3, Jupyter, VS Code, IntelliJ, Eclipse

EXPERIENCE

Private Organization June 2023
Software Engineer Intern Toronto, ON

- Enhanced studying and note-taking experiences by developing a comprehensive web application, utilizing **OpenAI's API** capabilities
- Improved data management efficiency and user experience by managing a large user database, leveraging **Redis' Upstash** latency and rate-limiting reducing capabilities
- Increased application robustness and security by utilizing **Next.js**, **TypeScript**, and **NextAuth** in the development process, with a focus on user-centered design

Pizza Nerds Oct 2022 - April 2023
Chef Ottawa, ON

- Collaborated in a fast-paced team environment to produce quality food and quickly serve **300+** customers on a daily basis
- Utilized software interface to send **250+** daily orders through Uber Eats and directly communicate with customers as the face of the store, increasing customer satisfaction by **55%**
- Lead colleagues through store procedures and communication with customers, whilst managing inventory orders

PROJECTS

RU Ready | *TypeScript, NextJS, Redis* | [view](#) | [Github](#) May 2023 - June 2023

- Produced a Russian learning platform leveraging OpenAI to allow AI supported conversations, and phrase translations
- Ensured secure user sessions through NextAuth, maintaining high-quality data integrity for all users
- Utilized PROMT API and Redis in-memory database for efficient storage and management, resulting in a **40%** increase in query execution speed

Messenger | *TypeScript, NextJS, Redis* | [view](#) | [Github](#) April 2023 - May 2023

- Engineered a messaging application for real-time communication, effectively handling high traffic loads and facilitating seamless user interactions
- Utilized Redis' in-memory caching for fast access to users, contacts, and message histories, cutting down retrieval times by **30%**
- Incorporated Pusher for real-time updates, enhancing user experience by keeping them informed about incoming messages and friend requests

Youtube Clone | *JavaScript, React, MUI* | [view](#) | [Github](#) Dec 2022 - Jan 2023

- Constructed a video-sharing platform with real-time data integration from Rapid API, serving **2000+** video content to users
- Developed a search feature that improved user navigation, resulting in a **20%** increase in user video discoveries
- Applied MUI for UI design, increasing session duration by **50%** due to improved user engagement

ADDITIONAL INFORMATION

Availability: Authorized to work in the U.S.
Activities: EggX, Google Developer Student Club, Volleyball (first place intermediate winner)