

# Joshua Carrasco

Software Engineer

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## WORK EXPERIENCE

### Software Developer

Private Fundex

01/2023 – Present

- Developed and implemented a trading system in C# that automates trading strategies on the market.
- Deployed web APIs using Node.js and Golang on AWS to integrate various company systems together.
- Created software tools that automated tasks that were previously done manually.

### Software Developer Intern

CaseWare International

01/2020 – 12/ 2020

- Exhibited knowledge of software architectures as a developer for the CaseWare Cloud 2.0 platform using an Angular frontend with Java Springboot to develop microservices.
- Exercised communication and presentation skills at the end of each development sprint by demonstrating features for tickets I worked on during the previous sprint to stakeholders.
- Applied Analytical and adaptability skills to implement new features for the products 20 year old code base using Agile development methodology.

## EDUCATION

### Bachelor of Science In Computer Science: Software Engineering (HBSc)

University of Toronto

09/2018 – 06/2023

## TECHNICAL SKILLS

### Tools

Git, SVN, Visual Studio, VIM, GDB, Jira, MS Excel

### Languages

Java, Python, C, C++, Rust, Golang, C#, JavaScript, TypeScript, Bash, MATLAB, SQL, HTML, CSS

### Database Technologies

MongoDB, PostgreSQL, Neo4j, MySQL

### Cloud Technologies

AWS, Docker, Google Cloud

### Frameworks and Libraries

Spring Boot, Express.js, Mongoose, Angular, React, Yew.rs, SvelteKit, Selenium WebDriver, Pandas, Numpy, Scipy

## SOFT SKILLS

Adaptability, Analytical, Reporting, Communication, Time Management, Teamwork

## PROJECTS

### Ray/Path Tracer

- Showcased proficiency in rendering algorithms and computational techniques to create a ray/path tracing system from scratch.
- Optimized performance using various techniques such as, BVH data structures, SIMD operations.

### Terminal Instant Chat Messenger

- Designed application layer network protocol on TCP to deliver messages from user to user.
- Used OpenSSH C library to ensure End-to-End encryption while chatting.