

# Hristo Sandev *Software Engineer/Developer*

✉ sandevh@gmail.com    ☎ +1 438-491-5886    🌐 github.com/izi-on    🔗 linkedin.com/in/hristo-sandev-7b8059172    🌐 izon.dev

## 🎓 EDUCATION

### BSc Computer Science

McGill University

- GPA: 4.0

- Relevant Courses: Algorithms, Data Structures, Software Design, Applied Machine Learning, Concurrent Programming, Databases, Operating Systems

09/2022 – 04/2026  
Montreal, Canada

## 📁 PROFESSIONAL EXPERIENCE

### Shopify (incoming)

Software Developer Intern

05/2025

### Ploomber

Software Developer Intern

07/2024 – 11/2024

- Full-Stack development with **AWS, React, FastAPI, Postgres**
- Streamlined the deployment process for data science Python frameworks, helped users launch **over 100 applications**
- Developed a pleasing graphical and intuitive user interface that contributed to a **2x improvement in user retention and conversion metrics**

### Flojoy

Software Developer Intern

05/2023 – 03/2024

- Full-Stack development with **React/TypeScript, FastAPI, Langchain**
- **Accelerated \$1M+ seed funding** by delivering high-impact product demos and rapid prototypes
- Leveraged LangChain to design and build a **AI-Generated test sequencing system**.

### CAE

Software Developer Intern

01/2023 – 04/2023

- Full-Stack development with **Angular, Golang, VMWare**
- Virtualized flight simulators, transitioning from bundleware to virtualization, **halving the production cost for a simulator**.

### Ciena

Software Developer Intern

06/2021 – 07/2022

- Helped to build and design an algorithm to perform path-finding in a distributed network using **Golang**

## 📁 PROJECTS

### Compiler

Compiles a subset of C with OOP features to MIPS assembly. Features various optimizations such as graph colouring register allocation. Built in Java

### Quarto Now

Web application that allows you to generate a turn-based game with your custom rules, and send the link to play with your friend. Made with Typescript/React VITE, Golang, Python, LangChain

### Single Directory File System

Basic Unix-like file system using i-nodes for file management and storage allocation. Made with C

### Personal Website

Synced with this PDF resume. Made with React, Tailwind CSS, Shadcn, FastAPI and MongoDB

## 🏆 AWARDS

### Major Renewable Undergraduate Scholarship

McGill University

Merit-based scholarship awarded for continuous excellent academic achievements

### Computer Science Scholarship

Beaubois College

Scholarship awarded for excellence in Computer Science

## 🧠 SKILLS

Python — FastAPI, Pydantic

Typescript/Javascript — React

Database — PostgreSQL, Redis, MongoDB

Golang — Gin

Java

C

OCaml

DevOps — Docker, GitHub Actions