Hristo Sandev *Software Engineer/Developer*

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

🎓 EDUCATION

BSc Computer Science   09/2022 – 04/2027
McGill University   Montreal, Canada
- GPA: 4.0
- Relevant Courses: Algorithms, Data Structures, Software Design, Applied Machine Learning, Concurrent Programming, Databases, Operating Systems

💼 PROFESSIONAL EXPERIENCE

Shopify   05/2025 – 08/2025
Software Developer Intern
- Resolved a dozen critical bugs, **enhancing the checkout experience** for **millions** of **users**.
- Executed a comprehensive refactor of address geocoding, prediction, and validation logic, **significantly improving** the **developer experience**.
- Enhanced an existing internal address-related service by making it multi-regional, resulting in **substantial latency reductions** for users in Europe and Asia.
- Implemented and optimized logging for GraphQL endpoints, **facilitating** the **identification of performance bottlenecks** in address-related processes.
- Established a robust database pipeline and optimized indexing for internal address-related data, leading to **drastically enhanced user checkout** experience in the United States.

Ploomber   07/2024 – 11/2024
Software Developer Intern
- 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   05/2023 – 03/2024
Software Developer Intern
- 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 an **AI-Generated test sequencing system.**

📂 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 & Emily Ross Crawford Scholarship
McGill University
Scholarships awarded for exceptional academic excellence, recognizing the student as one of the top performers in their cohort

🧠 SKILLS

Python — FastAPI, Pydantic   **Typescript/Javascript** — React   **Database** — PostgreSQL, Redis, MongoDB   **Golang** — Gin

Java   **C**   **OCaml**   **DevOps** — Docker, GitHub Actions