

Djordje Ivanovic

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## Education

### Harvard University

BS in Computer Science

Relevant Coursework: Applied Linear Algebra and Optimization, Applied Linear Algebra and Big Data (AM120), Abstraction and Design, Discrete Mathematics, Probability (Stat110), Data Science (AC209), Data Structures and Algorithms (CS120).

### United World College of the Adriatic

IB Diploma, Final grade: 44/45

Awards: Honorary Award from the Italian Ministry of Foreign Affairs for Excellence in Promoting Italian Language and Culture. Nominated for the International Children Peace Prize by the Ombudsman of Montenegro.

Cambridge, MA

May 2027

Duino, Italy

May 2022

## Technical Skills & Projects

### Skills & Interests

**Programming:** Java, OCaml, Python, MATLAB, JavaScript, TypeScript, SQL, SpringBoot, Angular, NextJS, Django, FastAPI

### Sorriso Care (startup)

Developed a full stack web application for dental clinics to market services to international patients and streamline workflow management, including appointment scheduling, telemedicine, patient record transfers, and marketing investment tracking.

### CS50 Final Project

Developed a full stack web-based social media app for connecting individuals from Former Yugoslavian countries abroad. Features include user registration, login, profile browsing, picture posting, likes, comments, jobs, and event listings.

## Experience

### Coinis

#### Software Engineering Intern

Collaborated on marketing tools and revenue-generating software products with high relevance for business functionality. Developed browser extensions that improved customer engagement and optimized ad targeting and revenue. Designed and developed responsive front-end components using APIs from various sources to create interactive interfaces. Built domain flagging detection across multiple browsers and auto-switching mechanisms to ensure ad revenue continuity. Enhanced Coinis' platform with LP Generators, audience targeting, and front-end improvements for the marketing team.

Podgorica, Montenegro

May 2024 – August 2024

### Harvard Visual Computing Group

#### Research Assistant

Optimized graph database queries to identify circuit motifs in enormous brain imagery datasets in Cypher. Developed interactive visualization tools to display circuit motifs and specific neural circuits, allowing for detailed exploration and analysis based on circuit types. Tested and implemented Neo4j and Mamgraph graph databases for efficient query performance and circuit visualization. Tested various graph algorithms to assess their effectiveness in identifying similar neural circuits based on circuit type.

Cambridge, MA

January 2024 – May 2024

### Dior Porto Montenegro

#### Sales Associate and Marketing Intern

Developed sales and marketing strategies to boost revenue and customer engagement. Organized influencer events with luxury hotels, driving significant customer traffic. Exceeded seasonal sales goals, achieving €500k for a pop-up boutique through targeted campaigns and multilingual engagement.

Tivat, Montenegro

May 2023 – August 2023

## Leadership and Activities

### Harvard Robotics Club Rover Team

#### Founding Member and Software Lead

Designed and implemented navigation algorithms to enhance rover autonomy, led a team of five to develop software systems for sensor integration, obstacle detection, and control, and collaborated with hardware engineers to ensure seamless software-hardware integration, developed GNSS-based localization and communication protocols to improve positioning accuracy and team coordination.

Cambridge, MA

September 2023 – now