

# ALEXANDRU D. SOROIU

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• PORTFOLIO

## OBJECTIVE STATEMENT

Computer Science student with a knack for efficient algorithms and a passion for scalable applications, seeking a software engineering internship. Eager to tackle challenging projects and drive innovation with hands-on coding and problem-solving skills.

## EDUCATION

**B.S. in Computer Science and Finance - Minor in Mathematics**

**May 2027**

**Wagner College** | Staten Island, NY

*Relevant Modules: Intro to Programming, Techniques of Programming, Data Structures and Algorithms (C++), and Python Developer*

Student Organizations: Student Government, Google Developer Student Club, Student Investment Fund, and Amnesty International

**Dean's List Fall 2023**

## SKILLS & ADDITIONAL INFORMATION

**Technical:** Pinecone, Firebase, JavaScript, Next.js, Node.js, React.js, TypeScript, HTML, Tailwind CSS, Python, C/C++, MySQL/Postgres

**Languages:** Romanian (fluent), Italian (advanced), Spanish (conversational), and French (basic)

**Interests:** Running, hiking, traveling, reading, cooking, watching sunsets, listening to music, and volunteering

**Activities:** TIP102 CodePath and AT&T Technology Academy

## EXPERIENCE

**Software Engineer Fellow**

**July 2024 - September 2024**

**Headstarter AI** | New York, NY

- Built **5+** AI apps and APIs using **NextJS**, **OpenAI**, **Pinecone**, and **StripeAPI** with 98% accuracy as seen by **100 users**
- Created projects from design to deployment leading 4+ engineering fellows using **MVC design pattern**
- Coached by Amazon, Bloomberg, and Capital One engineers on **Agile**, **Git**, and **microservices pattern**

**Computational Chemistry Research Assistant & Web Developer**

**May 2024 - August 2024**

**NYU Langone Health** | New York, NY

- Mapped a comprehensive website featuring **20+** research projects in technology, chemistry, and medicine using **HTML**, **CSS**, and **JavaScript**
- Drove cutting-edge computational chemistry research, securing two healthcare advancements and boosting outcomes by **30%** through strategic expertise

**Software Developer & Web Designer**

**January 2022 - August 2023**

**BD BOTTING HUB SRL** | Brasov, Romania

- Supervised a team to **increase productivity** by **30%** and implemented a credit card payment system with **Python** and **JavaScript**, boosting transactions by **20%**
- Conceptualized a **WordPress** page, increasing **website traffic** by **50%** and **conversion rates** by **20%**, and achieved **30%** annual sales growth with **marketing strategies**

## PROJECTS

**GameStock**

**July 2024**

**WeCracked**

- Built GameStock with **TypeScript**, **React**, **Tailwind CSS**, and **Next.js**, winning **2nd prize** at a **24-hour** hackathon
- Integrated real-time stock data from **Yahoo Finance** and **FinnHub APIs**, creating a seamless **UI**

**SaaS AI Flashcards Tool**

**August 2024**

**Headstarter AI**

- Developed a SaaS AI flashcards platform using **Next.js**, **React**, and **TypeScript**, integrating **OpenAI API** for content generation and **MUI** for a seamless user interface
- Implemented secure authentication with **Clerk**, managed payments via **Stripe API**, and utilized **Firebase** for real-time database and hosting

## VOLUNTEERING ENGAGEMENT

- Spearheaded blood donation efforts, contributing over **2 gallons** of blood and **300+** volunteer **hours** to the New York Blood Center