

Gent Maksutaj

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EDUCATION

Dartmouth College — GPA: 3.98

Hanover, NH

Computer Science and Mathematics

Expected May 2027

- Relevant Coursework: Data Structures and Algorithms, Operating Systems and Cloud Computing, Programming Languages, Linear Algebra, Statistics, Probability, Scientific Computing
- Clubs and Honors: UCP SWE Fellow (Uber), AI4ALL Ignite fellow, Presidential Scholar, Dean's List, Hackers Club & CS Advisory Board

EXPERIENCE

Software Engineering Intern

May 2025 – Aug 2025

Remitly

Seattle, WA

- Architected backend-driven merchandising system to decouple content updates from mobile releases, enabling dynamic A/B testing and localization without frontend deployments
- Built REST APIs in Lending Platform with Statsig experiment resolution and GraphQL schema using union types for flexible content blocks (headers, CTAs, FAQs)
- Implemented YAML-based content management with 18+ locale support and fallback logic, reducing experimentation cycle time from weeks to hours
- Built dynamic React components for mobile app that render merchandising screens based on backend-provided content

Software Engineering Intern

Dec 2024 – Present

Tirana Center of Technology

Tirana, Albania

- Built a full-stack Spring Boot app integrated with Microsoft AdventureWorks, boosting training efficiency by 45% for 50+ student developers
- Developed 15+ RESTful APIs with Java Spring MVC and Spring Data JPA, reducing frontend onboarding time by 35%
- Achieved 90% test coverage using JUnit and Mockito, introducing best practices adopted across all student projects
- Designed and implemented microservices architecture with AWS ECS, enhancing system modularity and establishing enterprise-level development standard

Computer Science Research Assistant

May 2024 – Aug 2024

Colby College

Waterville, ME

- Developed machine learning and deep learning models to predict water quality across 1300+ Maine lakes using 40+ years of environmental data
- Implemented various data imputation techniques including MICE, machine learning approaches, and GANs to address missing data challenges
- Achieved best performance using Random Forest Regressor with MICE imputation recording an average RMSE of 0.953 and MAE of 0.739, predicting Secchi Disk Depth up to less than one meter in the worst case
- Utilized Python libraries (Scikit-learn, DARTS, Optuna) for model development, time series forecasting, and hyperparameter optimization

Computer Science Teaching Assistant

Feb 2024 – May 2024

Colby College

Waterville, ME

- Graded weekly projects and delivered detailed, personalized feedback to over 30 students in CS152, promoting significant coding improvement.
- Offered one-on-one guidance that helped raise final grades by 40%, enhancing student understanding and performance.

PROJECTS

Gërmo | *Next.js, TypeScript, Tailwind CSS, Prisma, Vercel KV, Brandfetch API*

- Built and scaled job search platform to 2,000+ monthly users, aggregating 5,000+ listings daily across 100+ companies
- Designed job scraping pipeline with Puppeteer and Cheerio, achieving 95% data accuracy and robust error handling
- Integrated Brandfetch API and Vercel KV for distributed caching, handling 10,000+ requests/day
- Built real-time search with multi-filter support and sub-100ms latency across 2,000+ queries/day

Sync Stage | *Node.js, Express.js, React.js, Websockets, MongoDB, TypeScript*

- Built collaborative Watch Party app for synchronized video playback in real time
- Developed backend with Node.js and MongoDB to support 100s of concurrent users per session
- Added in-memory caching to reduce database calls by 40%
- Used Websockets for play/pause/seek sync with under 100ms latency

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Web Technologies: React.js, Node.js, Express.js, GraphQL, JQuery, MongoDB, WordPress, PrismaORM

Developer Tools: Git, Postman, Docker, Jira, Jenkins