

Islam Assanov



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EDUCATION

Minerva University

San Francisco, CA

Bachelor's of Sciences in **Artificial Intelligence and Computer Science**

Expected 2027

- **Relevant Coursework:** Data Structures and Algorithms, Calculus, Linear Algebra, AI Algorithms
- **Clubs and activities:** Google Developer Student Club (GDSC), UN Millennium Fellowship (2025)

Codepath

Remote, USA

Coding Interview Preparation (TIP 102)

Jun. 2024 - Aug. 2024

LEADERSHIP AND ACCOMPLISHMENTS

Winner of CalHacks 10.0 (largest collegiate hackathon) in a team of 4 people (2000+ participants)

Winner of Hack For Impact 2024 non-profit Hackathon at UC Berkeley (300+ participants)

Winner of AI @Seoul International Hackathon (200+ participants)

EXPERIENCE

Software Engineering Intern

Sep. 2024 – Dec. 2024

Jubo Health

Taipei, Taiwan

- Engineered prompt-based search system using **Intel OpenVINO** and **FastAPI** to query 40,000+ patient records, implementing robust **APIs** and system integration, reducing decision-making time by 30 minutes per case
- Utilized **agile development practices** to deliver **enterprise-level** healthcare solutions, presenting technical solution to 70,000+ industry professionals at **Taiwan HealthCare+ Expo**

Machine Learning Intern

Feb. 2024 – Apr. 2024

GlobalArt.AI

San Francisco, CA

- Fine-tuned **Stable Diffusion 2** model using **Python** and **PyTorch**, generating 50+ high-quality artwork samples with **custom training pipeline**
- Migrated backend infrastructure from **Google Colab** to **Google Cloud Platform**, improving system scalability for 100+ users while reducing response latency by 40%

OPEN SOURCE CONTRIBUTIONS

Bench Node | *Node.js*

- Optimized **npm package** size by reducing distribution size from **1MB to 25KB**, improving **installation speed** and developer efficiency by excluding non-essential files (tests, configs, examples)

PROJECTS

Codio | *Node.js, Express.js, React, MongoDB, JWT, Stream API*

July 2025 - Present

- Developed full-stack **real-time chat** and video calling application following software development lifecycle using **MERN stack** (MongoDB, Express, React, Node.js), integrating **JWT authentication**, friend system, and 32 dynamic UI themes with **comprehensive testing**
- Implemented scalable messaging and video call functionality with **Stream API** integration, optimized frontend state management using **TanStack Query** and **Zustand**, ensuring robust **API security**

LiveCaps | *Next.js, TypeScript, Supabase*

Apr. 2025 - Present

- Developed real-time transcription web application using Deepgram **speech-to-text API**, implementing **WebSocket** for sub-second latency and **serverless architecture** with comprehensive error handling

TECHNICAL SKILLS

Programming Languages: Python, C/C++, JavaScript, C#, HTML/CSS, SQL, PHP, Tailwind CSS

Frameworks & Technologies: Next.js, React, Django, Node.js, Express.js

Developer Tools & Cloud Computing: Git, Github, Linux, MySQL, PostgreSQL, AWS, Jenkins

Libraries & System Integration: pandas, NumPy, Matplotlib, SciPy, Seaborn, scikit-learn, Kubernetes, Docker