

Nekruz Ashrapov

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EDUCATION

University of Cincinnati – College of Engineering and Applied Science

Expected Graduation: May 2027

Bachelor of Science in Computer Science, Minor in Mathematics

GPA: 3.306

Organizations: UC Institute of Electrical and Electronics Engineers, UC Cryptocurrency Club, MakeUC

Relevant Coursework: Programming Languages, Discrete Structures, Data Structures, Computer Systems, Information Security & Assurance, Linear Algebra, Differential Equations, Probability & Statistics I, Python Programming (AI/DS/ML)

SKILLS

Programming Languages: Python, Java, C++, JavaScript/TypeScript, HTML/CSS, MATLAB, VBA

Frameworks: Next.js, Tailwind, Sass, React.js, Node.js, Express.js, Apache Maven, Spring Boot

Tools & Platforms: Git, GitHub, Firebase, MongoDB, Kubernetes, Docker, Amazon Web Services Lambda

Foreign Languages: English, Russian, Persian

PROFESSIONAL EXPERIENCE

Headstarter

Long Island City, New York

Software Engineer Fellow

July 2024 – Present

- Specialized in training large **LLMs** with advanced computer vision and NLP techniques, yielding a **21%** improvement in model accuracy
- Collaborated in a team of **4** to craft and ship a product to more than **1500** users and securing **+\$1000** during the first quarter
- Leveraged **Next.js**, **TypeScript**, and **OpenAI** to assemble an AI-powered web application with agile development and weekly sprints
- Constructed **5** AI projects while participating in code reviews and receiving mentorship from startup founders and CEOs

JPMorganChase (Consumer & Community Banking)

Columbus, Ohio

Technology Summer Analyst

June 2024 – August 2024

- Engineered an inclusive registration platform using **Java** (Spring Boot), embedding accessibility features that enhanced user experience by **34%**
- Optimized development workflow by **43%**, by efficiently managing version control through **Bitbucket** and monitoring repositories on **JFrog**
- Directed **CI/CD** processes by effectively communicating progress to **7** stakeholders, increasing stakeholder satisfaction by **93%**
- Deployed applications to **Infrastructure Net** using **Kubernetes** and **Docker**, reducing incidents by **57%**, and ensuring scalable deployments

University of Cincinnati

Cincinnati, Ohio

Math & English Tutor

May 2024 – August 2024

- Advised over **9** elementary school foreign students in reading and math, championing diversity and inclusion within the community
- Tailored **14** lesson plans and materials to address individual learning needs, resulting in a **23%** increase in average quiz scores
- Fostered collaboration among the students from minority backgrounds leading to a **37%** improvement in reading and writing comprehension
- Interpreted school documents and communications, augmenting inclusivity and accessibility for parents and community

LEADERSHIP & EXTRACURRICULARS

MakeUC (Hackathon)

Cincinnati, Ohio

Technical Team Lead

May 2024 – Present

- Led a team of **5** developers, coordinating tasks and timelines to meet project milestones acquiring over **160** participants in the Hackathon
- Refined and designed a web application for the Hackathon, producing a **19%** increase in participant registrations

UC Cryptocurrency Club

Cincinnati, Ohio

Membership Chair

March 2024 – Present

- Conducted social events including “decentralized game nights”, generating a **33%** increase in club attendance and member engagement
- Collaborated with **3** Executive Board members to interview club members, contributing to a **15%** enhancement in overall member satisfaction

UC Institute of Electrical and Electronics Engineers

Cincinnati, Ohio

Web Developer

April 2024 – Present

- Developed a Next.js web application with a new Research Journal section connecting **4** departments and increasing collaboration by **31%**
- Contributed to code reviews and brainstormed design requirements, achieving a **73%** increase in website performance and scalability

SELECTED PROJECTS

AI Flashcard SaaS | TypeScript, React.js, Tailwind, Clerk, Stripe, Next.js, OpenAI, Firebase

August 2024 - Present

- Architected an AI-driven flashcard SaaS app, culminating in a **33%** increase in user engagement with **OpenAI** integration for content generation
- Integrated a user authentication and payment system with **Clerk** and **Stripe**, driving a **27%** boost in subscriptions

Chatbot AI | TypeScript, React.js, OpenAI, Next.js, Tailwind, AWS EC2

August 2024

- Accomplished a **95%** increase in deployment efficiency by developing and deploying a multi-level AI chatbot application on **AWS EC2** servers
- Elevated user satisfaction by **60%** through the integration of advanced features like a real-time feedback mechanism algorithm

Inventory Management | JavaScript, React.js, Firebase, Next.js, Tailwind, Material UI

July 2024 – August 2024

- Executed real-time inventory management app to handle over **100** item transactions, including searching functionalities
- Crafted an accessible user interface, enhancing accessibility by **40%** including individuals with diverse abilities

Available for Spring 2025, Fall 2025, Summer 2026