

# 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

### University of Cincinnati

**Cincinnati, Ohio**

*Math & English Tutor*

*May 2024 – Present*

- 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

### JPMorgan Chase & Co. (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%** through efficient management of version control with **Bitbucket** and **JFrog** monitoring
- Directed **CI/CD** processes by effectively communicating progress to **7** stakeholders, ensuring better data security through automated testing
- Deployed applications to **Infrastructure Net** using **Kubernetes** and **Docker**, reducing incidents by **57%**, and ensuring scalable deployments

## 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 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

### UC Cryptocurrency Club

**Cincinnati, Ohio**

*Membership Chair*

*March 2024 – August 2024*

- 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

## 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