

# Nekruz Ashrapov

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## EDUCATION

**University of Cincinnati** Expected Graduation: May 2027  
*Bachelor of Science in Computer Science, Minor in Mathematics* GPA: 3.31  
- **Relevant Coursework:** Programming Languages, Discrete Structures, Data Structures, Computer Systems  
- **Organizations:** UC IEEE, UC Cryptocurrency Club, MakeUC, ACM@UC, UC AI Society, Cyber@UC

## EXPERIENCE

**Research Assistant** August 2024 – Present  
*Kautz-Uible Economics Institute* Cincinnati, OH  
• Analyzed blockchain data for **107+** members, contributing to a reputation-based voting system used in elections  
• Implemented crypto-economic principles in a blockchain governance model, advancing research efficiency by **5%**  
• Architected **6** smart contracts to automate voting rights allocation, reducing administrative work by **14%**

**Software Engineer Intern** July 2024 – September 2024  
*Headstarter (Startup)* Long Island City, NY  
• Specialized in training large LLMs with IBM WatsonX, 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**  
• Leveraged Next.js, TypeScript, and OpenAI to assemble an AI-powered web application with agile development

**Math Tutor** May 2024 – September 2024  
*University of Cincinnati* Cincinnati, OH  
• Advised over **9** elementary school foreign students in reading and math, championing diversity and inclusion  
• Tailored **14** lesson plans to address individual learning needs, resulting in a **23%** increase in quiz scores  
• Interpreted school documents and communications, augmenting accessibility for parents and community

**Software Engineer Intern** June 2024 – July 2024  
*JPMorganChase (Early Internship Program)* Columbus, OH  
• Engineered an inclusive registration platform using Java, embedding accessibility features for diverse users  
• Designed a user interface using React.js and TypeScript, culminating in a **6%** enhancement in cybersecurity  
• Directed CI/CD practices by communicating progress to **7** stakeholders, improving overall software quality  
• Deployed applications to Infrastructure Net using Kubernetes and Docker, reducing incidents by **11%**

## PROJECTS

**Chatbot AI** | *TypeScript, React.js, OpenAI, Next.js, Tailwind, AWS EC2* April 2024 – September 2024  
• Accomplished a **95%** increase in deployment efficiency for a multi-level AI chatbot application on AWS EC2 servers  
• Elevated user satisfaction by **8%** through the integration of a real-time feedback mechanism algorithm

**Inventory Management** | *JavaScript, React.js, Firebase, Next.js, Tailwind* February 2024 – August 2024  
• Executed real-time inventory management to handle over **112** item transactions, including searching functionalities  
• Crafted an accessible user interface, enhancing accessibility by **21%** for individuals with diverse abilities

**Health Tracker** | *C++, Flutter, Dart, Swift, iTerm2, iOS* April 2024 – May 2024  
• Formulated tools to track calorie intake of **+64** nutritious foods, generating insights to support nutrition plans  
• Empowered users to achieve a **10%** improvement in their wellness goals through a recommendation algorithm

## LEADERSHIP & EXTRACURRICULARS

**Lead Web Developer** | *UC IEEE* April 2024 – Present  
• Developed a Next.js web application with a new Research Journal section connecting **4** departments

**Tech Team Lead** | *MakeUC (Hackathon)* May 2024 – Present  
• Led a team of **5** developers, coordinating tasks to meet project milestones acquiring over **210** participants

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C++, JavaScript/TypeScript, HTML/CSS, Solidity, MATLAB, Haskell  
**Frameworks:** Next.js, Tailwind, Sass, React.js, Node.js, Ethers.js, Flutter, Swift, Apache Maven, Spring Boot  
**Tools & Platforms:** Jira, Git, GitHub, Firebase, Heroku, Vercel, MongoDB, Kubernetes, Docker, AWS EC2, S3

Available Spring 2025, Fall 2025, Summer 2026