

Nekruz Ashrapov

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EDUCATION

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

Expected Graduation: May 2027
GPA: 3.31

EXPERIENCE

Research Assistant
Kautz-Uible Economics Institute
August 2024 – Present
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
Headstarter (Startup)
July 2024 – September 2024
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
University of Cincinnati
May 2024 – September 2024
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
JPMorganChase (Early Internship Program)
June 2024 – July 2024
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