

Mia Elena Ricci

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EDUCATION

CUNY Hunter College

New York, NY

Bachelor of Science in Computer Science

September 2022 – Present

GPA: 3.5 | Activities: Computer Science Club, WiCS (Women in Computer Science)

Languages: Javascript, Python, C++, Swift

Curriculum: Data Structures & Algorithms, Operating Systems, Practical Web Development, Statistics

CodePath: Advanced Web Development (Jan 2024), Intermediate Technical Interview Course (In Progress)

TECHNICAL SKILLS

Languages: Python, Javascript, TypeScript, C++, SQL, HTML/CSS

Frameworks: React, Next.js, Django, Node.js, Express, TailwindCSS, Pandas, NumPy, Matplotlib, Flask

Database/Cloud: PostgreSQL, Firebase, AWS, Linux, Ubuntu, Vercel, Railway, Supabase, Stripe, Docker

AI/ML: Machine Learning, Computer Vision, Data Analysis, Google Gemini API, Natural Language Processing

Development: Full-Stack, Frontend, Backend, Yarn, Object-Oriented Programming (OOP), Microservices, RESTful APIs

Tools: Git, Jest, CI/CD, OAuth 2.0, Jira, SSH, System Administration, Server Management

Healthcare/Standards: FHIR, HIPAA Compliance

RELEVANT EXPERIENCE

Headstarter - Software Engineering Resident | New York, NY

May 2025 – Present

- Built multiple applications including ML models and full-stack systems in collaborative team environment
- Optimized application performance through caching, code splitting, and lazy loading techniques
- Implemented LLM integration with hyperparameter tuning and deployment on AWS and Vercel

CUNY Hunter College - Web Development Intern | New York, NY

January 2025 – May 2025

- Designed WCAG 2.1 accessible React components with comprehensive form validation
- Deployed applications with CI/CD ensuring reliable uptime; collaborated on technical architecture decisions

Evergreen Investments - Software Engineering Intern | New York, NY

June 2024 – December 2024

- Engineered portfolio management features for client base, enhanced user experience and satisfaction
- Implemented comprehensive testing suite with Jest; architected secure access control with role-based permissions

CodePath - Advanced Web Development Mentee | New York, NY

August 2023 – January 2024

- Developed full-stack applications with React/Next.js; engaged in pair programming sessions
- Created RESTful APIs with Express.js; applied performance optimization techniques

PROJECTS

E-commerce Platform (Live) | React, Node.js, PostgreSQL, Stripe

[GitHub](#)

- Production platform with 30+ API endpoints, Stripe payments, Google OAuth, and Swagger documentation
- Built PostgreSQL database with full-text search, real-time cart management, and CI/CD deployment
- Developed social commerce features including product likes system, automated brand creation, and RESTful APIs
- Implemented Firebase authentication, seller listing management, and multi-environment deployment

Medical Referral Hub - Health (In Progress) | Python, Django, PostgreSQL, React, TypeScript, Docker

[GitHub](#)

- Built HIPAA-compliant healthcare application with normalized PostgreSQL schema and comprehensive audit logging
- Engineered FHIR R4-compliant data models and APIs for healthcare interoperability across provider systems
- Implemented AI-powered PDF document processing using Mistral AI and spaCy for medical data extraction
- Deployed containerized application on AWS infrastructure with Docker and cloud architecture

Portfolio Website | Next.js, Typescript

[GitHub](#)

- SEO-optimized portfolio with 100/100 Lighthouse score and mobile-first responsive design

ACHIEVEMENTS

- **Production Applications:** Multiple live applications with functional payment processing and authentication systems
- **Performance Optimization:** Demonstrated significant improvements through caching and code splitting
- **Collaborative Development:** Code reviews, pair programming, and agile methodologies experience
- **AI Integration:** Modern multimodal applications using latest Google Gemini API