

Rami Walid

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EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science, Minor in Applied Statistics

Sep. 2024 – May 2027

- **Relevant Coursework:** Advanced Data Structures & Algorithms, Intensive Programming in Linux (C), Advanced Database System Design and Management, Computer Architecture, Operating Systems
- **Honors & Rewards:** 2x NSF Scholar
- **Activities & Leadership:** Member of ACM Chapter at NJIT

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL, JavaScript, TypeScript, HTML/CSS, Swift

AI/ML & Agentic Frameworks: LangGraph, Promptfoo, Playwright, browser-use, Agentic AI, LLM Agents, Pandas

Web Frameworks: React, Node.js, Next.js, FastAPI, Flask, Vue.js, Spring Boot, Tailwind, Bootstrap

Cloud & DevOps: AWS (EC2), Google Cloud, Docker, Git, CI/CD, Harness, GitLab, Linux/Bash

Concepts & Methodologies: AI Security, Prompt Injection, Red-Teaming, Machine Learning, RESTful APIs, OOP, Agile, Software Testing

EXPERIENCE

Undergraduate Researcher - AI Security & Agentic Systems

Sep 2026 – Present

NJIT Ying Wu College of Computing

Newark, NJ

- Architecting a fully agentic evaluation framework (Python, LangGraph, Playwright, browser-use, Promptfoo) to study indirect prompt injection vulnerabilities in web-browsing AI agents
- Designing automated red-teaming pipelines that deploy agents to live and local environments to systematically evaluate susceptibility to adversarial content encountered during autonomous web navigation
- Building reproducible test harnesses and evaluation suites (Promptfoo) to benchmark agent robustness against injected/malicious content across varied deployment conditions

Software Engineer Intern

June 2026 – August 2026

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Berkeley Heights, NJ

- Interned on the TransArmor software team, a team responsible for encrypting and securing 300M-400M payment transactions per day for the world's largest merchants, providing efficiency and security to clients and consumers
- Architected an AI-agent-based vulnerability remediation tool (Java, Spring Boot, Maven) integrating Fortify, Jira, and GitLab to automatically ingest security scans, assign remediation dates, generate tracking tickets, and apply real code fixes across 12 core applications
- Automated end-to-end remediation workflow, using AI agents to programmatically apply fixes and submit GitLab merge requests, cutting security compliance gaps from weeks to hours
- Automated CI/CD pipeline and DevOps workflows for the TransArmor team, reducing deployment time through Harness by 85% and saving 20 hours/week.
- Projected 80% reduction in manual effort, reclaiming 1,152 developer hours and 108 manager hours annually, and delivering \$97,200 in forecasted annual cost savings within a strict PCI DSS compliance environment.

Undergraduate Researcher - Java Developer

Jan 2026 – May 2026

NJIT Ying Wu College of Computing

Newark, NJ

- Engineered and deployed an AWS EC2-hosted Java application providing NJIT students and faculty department-wide access to powerful mathematical extraction engine
- Built a Java-based extraction engine to automatically identify and parse complex mathematical equations from source documents, cutting manual analysis time by over 90%
- Refactored the automated testing suite to improve coverage and reliability, reducing regression issues and improving developer experience for downstream users

PROJECTS

Credit Card Aggregator | *Next.js, TypeScript, React, Tailwind, FastAPI, PostgreSQL*

Nov 2025 – Present

- Building full-stack finance platform **consolidating multi-institution credit card data into a unified dashboard**, enabling centralized tracking and **improving user financial oversight by 40%**
- Designing and implementing a **secure FastAPI backend** with **OAuth2 authorization** and **tokenized data pipelines**, and architecting a **normalized PostgreSQL schema** for seamless multi-source aggregation
- Optimized **Next.js** and **React** modular components to visualize trends (balance, credit utilization, payment dates) with **Tailwind**, **reducing re-renders by 25%** and enhancing overall UI performance