

Rudik Arakelyan

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Experience

Software Engineer Intern

May 2025 – Present

Destiny Tech International

- Developed and maintained custom WordPress plugin using PHP, JavaScript, and MySQL for shift tracking and security reporting
- Built and debugged REST APIs for mobile app login, reporting, and profile sync across platforms (Postman, JS, WordPress)
- Integrated Microsoft Graph and SharePoint to auto-sync employee data and archive reports across departments
- Engineered PDF/DOCX generation and automated email delivery of EOS reports, cutting client turnaround time by 40%
- Built a Node.js bridge between Twilio and Microsoft Teams to forward inbound SMS messages to Teams channels in real time
- Contributed React Native features to EWCGI mobile app using Expo, enabling on-the-go time tracking and site access
- Deployed SEO fixes using Google Search Console, Tag Manager, and site diagnostics to boost performance and ranking signals

Software Engineer Intern

June 2023 – Present

Falcon IT Development

- Delivered client dashboards with PHP, Symfony, and React, increasing feature rollout speed by 30% across 3 accounts
- Built Django/PostgreSQL APIs with caching and schema tuning, increasing backend throughput by 15% and cutting latency
- Automated staging pipelines (Docker, GitHub Actions), reducing deployment issues by 25% and accelerating QA turnaround
- Refactored Java/Nest.js legacy systems to eliminate technical debt and improve performance in enterprise-grade tools

Software Engineer Fellow

June 2024 – October 2024

Headstarter

- Built 6 AI/ML apps using AWS, Next.js, TypeScript, and OpenAI, improving deployment speed by 40% and scalability by 30%
- Led a team of 4 to launch MemorixAI with Clerk and Firebase, gaining 100+ users and 15+ actives in the first 7 days
- Boosted trend accuracy by 35% in ProfTracker with Langchain sentiment models and Pinecone-powered vector retrieval
- Cut review time 40% in TransMark via real-time annotation UX using Express.js backend and Tailwind-styled frontend
- Scaled LookMate to 1,000+ users in 2 months by deploying LLM-based outfit suggestions with agents and Next.js stack
- Streamlined CI/CD across 6 projects via Docker + GitHub Actions, reducing deployment errors and boosting release speed
- Gained weekly mentorship from engineers at Google, Meta, and Amazon by presenting app demos and receiving feedback

Education

University of Washington

Expected Graduation: June 2026

Bachelor's Degree in Computer Science

- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Deep Learning, Operating Systems, Databases

Projects

AI Fashion Assistant | Personal Project (~2 week) – [GitHub Link](#)

July 2024 – Sep. 2024

- Launched AI outfit recommender using custom agents (LLMs + Langchain), scaling to 1,000+ users in 2 months
- Boosted user retention by 25% and engagement by 50% via personalized styling logic and LLM feedback loops
- Built with Next.js, TypeScript, Tailwind CSS, AWS; implemented prompt optimization for user preference learning

AI Flashcards | Project Team Lead (~1 week) – [GitHub Link](#)

August 2024

- Increased knowledge retention by 35% using real-time personalization, LLM prompt engineering, and spaced repetition
- Built with Next.js, TypeScript, Firebase, Clerk, Stripe, and OpenAI API to support adaptive quiz generation

Professor Rating | Project Team Lead (~1 week) – [GitHub Link](#)

August 2024

- Improved trend accuracy by 35% via Pinecone-powered vector search and Langchain-tuned sentiment analysis
- Built with Next.js, TypeScript, Clerk, Stripe, Pinecone, and Langchain for scalable, intelligent rating workflows

Skills

Languages: Python, Java, TypeScript, JavaScript, SQL, PHP, C, C++, C#, R, Assembly, Machine Language, Bash, Ruby, Go

Frameworks/Libraries: React, Next.js, React Native, Express, Node.js, Tailwind CSS, FastAPI, Flask, Django, Symfony, Spring, jQuery

Software/Tools: AWS, GCP, Azure (Graph API, Entra), Docker, Kubernetes, Git, GitHub, Postman, Webpack, Composer, Flywheel

Additional Tools: OAuth2/PKCE, Cron jobs, SFTP, Local by Flywheel, Post SMTP, Chrome DevTools, Ubuntu, Nginx, Redis, WordPress

Activities

AWS Tech Alliance W T-Mobile – Explored cloud careers and gained mock interview experience

December 2023

AWS Innovate – Attended sessions on cloud migration and modernization with AWS architects

October 2024

AI Day – Confluent, MongoDB, AWS – Learned GenAI scaling strategies, attended RAG workshops

October 2024

Langchain Workshop – Built retrieval-augmented generation pipelines using Pinecone and Langchain

February 2025