Aleska Patricia Braschi

Computer Science Student | AI Engineering & Full-Stack Development
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Professional Summary

Computer Science student who builds AI products and tests whether they can be trusted: AI-integrated web applications and LLM red-teaming tools (Python, JavaScript, Java), with hands-on IT operations experience.

Technical Skills

- **Languages:** Python, JavaScript, SQL, Java, C++, HTML/CSS
- **Core (bootcamp & coursework):** React, Flask, Node.js, REST APIs, PostgreSQL, Git/GitHub
- **Familiar (used in projects):** Next.js, TypeScript, Tailwind, FastAPI, Spring Boot, Docker, GitHub Actions, pytest, Playwright, Postman, Heroku, Render
- **AI & Security:** OpenAI, Gemini, and Claude APIs, Prompt Engineering, LLM Red-Teaming, OWASP Top 10 for LLMs, JWT/Auth
- **IT Operations:** Active Directory, PDQ Deploy, MFA/Access Management, System Imaging

Projects

Automated AI Red-Teaming Platform — *FastAPI, Streamlit, PostgreSQL* Live Demo | GitHub

- Built a multi-tenant platform that red-teams e-commerce chatbots with attacker, defender, and judge LLM agents (prompt injection, jailbreaks, data exfiltration), mapping findings to the OWASP Top 10 for LLMs.
- Enforced business rules deterministically, independent of the LLM (discount limits, canary-leak detection); judge violations count only when quoted verbatim; bilingual (EN/ES) reports.
- Secured with bcrypt, JWT, encrypted tokens, rate limiting, and SSRF blocking; Docker, GitHub Actions CI, deployed on Render and Neon.

Mini Eats — Ordering & Inventory Platform — *Next.js, React, Tailwind* Customer Demo | Merchant Demo | GitHub

- Built the customer-facing web app in a 4-person team, started at the Anthropic Basecamp, for Barmade: live menu and stock, group orders, order tracking, English/Spanish.
- Implemented AI voice ordering (customer confirms before any order) and AI dish suggestions filtered by taste preferences; integrates with the team's merchant system.

ArtSeekers — *Full-Stack AI Application* Live Demo | GitHub

- Refactored, optimized, and deployed a museum explorer for The Met collection (React, Flask, Neon PostgreSQL), originally a 4Geeks group MVP, on Heroku with a custom domain.
- Integrated Gemini vision for artwork analysis, cached per artwork; cut backend serialization from O(N × M) to O(N + M).

Professional Experience

Backend & Testing Intern (AI Integration) *Sep 2026 – Present*
Barmade (MDC AI Elite Program) *Miami, FL (Remote)*

- Selected through MDC's AI Elite program to help Barmade's engineers integrate AI into their platform (Java, Spring Boot, Flutter, JavaScript).
- Contribute to backend development and integration testing (frontend, Spring Boot, POS systems); document bugs and fixes.

IT Student Assistant *Aug 2026 – Present*
Miami Dade College *Miami, FL*

- Troubleshoot hardware, software, and network issues across campus workstations, labs, and faculty offices.
- Support IT staff with device staging, OS imaging, and maintenance; use ticketing and system logs to diagnose access and connectivity incidents.

IT Support Intern *June 2026 – July 2026*
Work-Based Learning Program, Miami Dade College *Miami, FL*

- Resolved help desk tickets (password resets, MFA, hardware/software) and helped on a storage optimization project (SSD/RAM upgrades, reimaging with PDQ Deploy).
- Co-authored a six-campus IT infrastructure Gap Assessment in an 11-intern cohort, presenting findings and an upgrade roadmap.

Software Development Intern *Sep 2024 – Jan 2025*
The Window Specialist *Remote (CA)*

- Developed Playwright frontend and unit tests (exposure to Django), reported production issues, and used Docker locally.

Education

Associate of Arts in Computer Science (GPA: 4.0) *Expected Summer 2027*
Miami Dade College *Miami, FL*

- **Honors & Organizations:** Phi Theta Kappa (PTK) International Honor Society | Init | MDC Makers Lab

Anthropic Basecamp — *CodePath × Miami Dade College, MDC AI Elite Program (3-day in-person AI bootcamp)* *Oct 2026*
Full-Stack Developer Certification — *4Geeks Academy, 360-hour bootcamp* | Certificate *April 2024*