

# Braden Garcia

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## EDUCATION

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### Rutgers University

New Brunswick, NJ

*Computer Science, Bachelor of Science*

*May 2026*

- **Relevant Coursework:** Data Structures, Algorithms, Data Science, Numerical Analysis and Computing, Computer Architecture, Linear Algebra and Optimization, Data Management, Discrete Structures, Databases, Artificial Intelligence

## EXPERIENCE

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### Information Technology Technician

New York, NY

*Next Management*

*May 2026 – Present*

- Architected and deployed a self-hosted Shelf asset tracking system on Ubuntu, establishing the organization's first standardized asset inventory process from scratch and tagging all hardware across the environment.
- Led migration of endpoint management from N-able RMM to Jamf, reconfiguring device policies, profiles, and automation workflows across the managed device fleet.
- Administered Microsoft 365 environments via Entra ID and Microsoft Admin Center, managing user identity lifecycle, access provisioning, and security configuration across multiple client organizations.
- Delivered frontline technical support in an MSP environment through remote troubleshooting and ticketing, resolving endpoint, connectivity, and application issues across diverse client infrastructure.

## PROJECTS

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### LeadFinder | *Python, Apollo.io API, Census/SEC/ATTOM APIs, openpyxl*

April 2026

- Built and deployed a Python CLI tool used by Forte Capital Group to source and score accredited investor leads, replacing a manual prospecting workflow and directly improving deal pipeline quality.
- Engineered a multi-source data enrichment pipeline integrating Apollo.io, U.S. Census, SEC, and ATTOM property data to automatically score and rank leads based on investability signals.
- Designed color-coded Excel workbook exports with conditional formatting and filtering, enabling non-technical users to quickly identify and prioritize high-value prospects.

### BlessedEar | *Python, Spotify API, scikit-learn, Flask, FastAPI, React/Next.js*

October 2025

- Engineered a full-stack music recommendation platform with intelligent playlist generation using the Spotify Web API, implementing advanced error handling and fallback strategies to achieve a 99%+ API success rate despite complex audio feature analysis.
- Built a scalable recommendation engine processing 200+ tracks from user libraries, playlists, and listening history, utilizing randomized seed selection and multi-strategy algorithms to generate diverse, contextually relevant playlists with real-time variety optimization.
- Developed a production-ready authentication system with OAuth 2.0, session management, and account switching functionality, featuring a UI in Next.js with TypeScript, real-time audio feature visualizations, and comprehensive state management for seamless user experience.

### StudyForge | *Next.js, FastAPI, Pinecone, Groq API, TypeScript, Tailwind CSS*

May 2025

- Built a full-stack RAG-powered study platform with 75% performance optimization, implementing streaming responses and intelligent PDF chunking with sentence-transformers for contextual document Q&A.
- Architected a scalable microservices backend with FastAPI async operations, Pinecone vector database for semantic search, and comprehensive performance monitoring across embedding generation, vector retrieval, and LLM inference pipelines.
- Engineered a premium UI in Next.js with TypeScript, featuring real-time streaming chat, automated flashcard generation, and a responsive design system with Framer Motion animations and comprehensive error handling.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, TypeScript, SQL (PostgreSQL, MySQL), Swift, C++, Java, HTML/CSS, PowerShell

**Frameworks:** React, Next.js, FastAPI, Flask, Streamlit, Tailwind CSS, Framer Motion, Node.js

**Tools:** Git, GitHub, Docker, Supabase, Render, Vercel, Postman, pgvector, uvicorn, Linux, Jamf, Entra ID, M365

**Libraries:** openpyxl, scikit-learn, pandas, NumPy, Matplotlib, Chart.js, Pinecone, CoreAudio

**Concepts:** Machine Learning, Recommendation Systems, RAG, Vector Databases, REST APIs, Microservices, Real-time Systems, Audio Processing, Data Visualization, Performance Optimization