

Jake Pajerski

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PROFESSIONAL SUMMARY

Information Systems student at Carnegie Mellon University with hands-on internship experience building and shipping full-stack web and mobile applications, implementing security controls, and teaching software development to 100+ students. Proficient across the full engineering lifecycle: database design, authentication, testing, CI/CD, and deployment. Proven track record of shipping real, production-grade products.

EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Bachelor of Science in Information Systems; Minor in Software Engineering

May 2028

- **Relevant Coursework:** Data Structures and Algorithms, Software Engineering, Database Systems, Information Security, Application Development, Discrete Mathematics, Probability and Statistics, Linear Algebra, Calculus III

EXPERIENCE

Software Engineering and IT Intern

May 2026 – Present

Nemacolin Resort

Farmington, PA

- Designed and built a **Ruby on Rails 8 application** used by 20+ IT administrators to centralize internal resources, links, and documentation.
- Implemented bcrypt authentication and CanCanCan-based role-based access control with four permission levels and per-record visibility controls.
- Designed a normalized PostgreSQL schema with foreign keys, indexes, soft deletion, audit trails, and full-text search using pg_search.
- Achieved **100% line coverage across 800+ RSpec examples** and configured GitHub Actions to run automated tests and security scans before deployment to a restricted Linux server.

IT Consultant

July 2025 – Present

Soroban Capital Partners LP

New York City, NY (Remote)

- Audited **125+ hours across 50+ AI-generated financial transcripts** for speaker attribution, financial terminology, and numerical accuracy in investor-facing materials.
- Categorized recurring model errors to improve consistency across human review workflows.

AI and Software Development Teaching Assistant

June 2025 – Present

The 5th C Academy

Los Altos, CA (Remote)

- Mentored **100+ unique students** through full-stack and AI application development, providing debugging support, code review, and individualized capstone guidance.
- Taught students to build end-to-end applications using Python, JavaScript, REST APIs, databases, LLMs, prompt engineering, and model integration.

Founder and Owner

June 2022 – Present

Pajerski Precision Detailing

Uniontown, PA

- Founded and operated a detailing business with 50+ client engagements, **\$5,000+ in revenue**, 80% of new business from referrals, and 95% customer retention.

PROJECTS

OnlyOdds | Apple App Store

October 2025 – Present

- Built and launched a React Native and Supabase prediction-market application on the **Apple App Store**, enabling users to create markets, place predictions, and follow live updates while reaching 100+ registered users.
- Implemented **10+ features** using Supabase authentication, real-time subscriptions, client-side caching, and conflict-resolution logic.

Pins & Pieces

March 2025 – April 2025

- Built a Python outfit recommendation engine using image processing, automated garment tagging, and a **custom backtracking algorithm** for user-defined clothing constraints.
- Developed an image-processing pipeline to classify wardrobe photos by color, formality, and weather suitability for outfit generation.

SKILLS

Languages: Python, JavaScript, Ruby, SQL, C, HTML/CSS, Bash

Frameworks: Ruby on Rails, React, React Native, Hotwire, Turbo, Stimulus, Tailwind CSS

Databases and Platforms: PostgreSQL, Supabase, SQLite, MongoDB

Tools and Infrastructure: Git, GitHub, GitHub Actions, Linux, systemd

Testing and Security: RSpec, FactoryBot, SimpleCov, CanCanCan, Brakeman, bundler-audit