Kevin Ressler

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EDUCATION

University of Pittsburgh — **Pittsburgh, PA**
BS: Computer Science, Data Science; Minor: Economics — *Expected Graduation: May 2027*

- **GPA: 3.90**
- **Courses:** Algorithms & Data Structures, Software Engineering, Database Management Systems, Computer Organization, Optimization, Linear Algebra
- **Honors:** Valedictorian, Class of 2023

EXPERIENCE

Rockland Manufacturing — **Bedford, PA**
Information Technology Intern — *June 2025 - August 2025*

- Developed an automated quoting prototype with Python, Graph API, SQLite, and OpenAI LLMs, applying natural language processing to RFQ emails to generate instant draft responses in Outlook with 60% accuracy
- Created a system to fine-tune LLMs on thousands of internal product manager Q&A emails (Ollama, PyTorch)
- Built a Python/OpenCV vision tool to log machine status from indicator lights at one-minute intervals
- Launched an e-commerce site for Rockland parts, managing product data, filters, and storefront design

University of Pittsburgh — **Pittsburgh, PA**
Undergraduate Teaching Assistant (Data Structures & Algorithms) — *August 2025 - Present*

- Led weekly recitations reviewing course labs and reinforcing techniques in algorithms and data structures
- Supported students 10 hrs/week in office hours and by email, addressing questions and troubleshooting code
- Held regular team meetings with course staff to refine recitation and support methods for students

University of Pittsburgh — **Pittsburgh, PA**
Undergraduate Research Assistant (Professor Sherif Khattab) — *August 2025 - Present*

- Researching financial reinforcement learning on Pitt's cloud computing cluster (A2C, DDPG, PPO, TD3)
- Utilizing the open-source FinRL framework to train and test agents via the Alpaca Paper trading API

PROJECTS

DBotify Music Streaming Platform | Java, PostgreSQL, JDBC

- Designed a PostgreSQL schema with constraints and triggers for session integrity and recommendations
- Built a Java CLI using JDBC with prepared statements, transactions, and 20+ analytical search queries

Wagger: Dog Matching App | React, Flask, PostgreSQL

- Ran Scrum sprints defining requirements, UML models, design goals, and overall subsystem architecture
- Implemented a React/Flask system with PostgreSQL, following backlogs and integrating data flow

ACTIVITIES & ORGANIZATIONS

Panther Equity – *Junior Analyst (Technology Sector)*

- Executed group stock pitches to a student-led investment fund with over $300k in equities

Computer Science Club – *Member*

- Gained exposure to industry tools and workflows through workshops led by major tech firms

Pi Kappa Phi Fraternity – *Member*

SKILLS

Technical: Java, PostgreSQL, JDBC, Python, React, Flask, R, GitHub, LaTeX, Excel
Interests: Bitcoin, Investing, Non-fiction Books, Basketball, Weightlifting, Running