ERIC WNOROWSKI

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PROFESSIONAL EXPERIENCE

ConstructConnect, Cincinnati, Ohio (Remote) May 2022 - Present

Software Engineer I | *ConstructConnect Modernized Search*

- Develop a high-performance **C#/.NET Elasticsearch-powered API** enabling faster and more insightful data capabilities for **75,000+** customers. It is used in our flagship product, ConstructConnect Project Intelligence.
- Develop a modern **React / Next (TypeScript)** frontend application (and **Python** backend apps) for our modernized document viewer. Improving performance to have document load times reduced to < 1 second.
- Develop **Python, C#, Logstash data ingestion pipelines** that move our data from relational stores **(SQL Server)** into Elastic, enforcing schema consistency, deduplication, parent-child relationships and real time indexing.
- Manage DevOps for our **Google Cloud Run** services, **Elastic deployments**, and monitoring through **Terraform & GitLab**, tightening reliability, system performance and security.
- Partner with **Quality Engineering** to build **Python** automation, end-to-end, and performance tests for APIs and pipelines, catching regressions pre-release and validating SLAs under realistic production loads.

Associate Software Engineer

- Co-designed and implemented a modern **cloud-native document processing pipeline** that replaces a legacy system, significantly reducing manual intervention and improving throughput.
- Built a suite of **Node (TypeScript) microservices** orchestrated with **Google Cloud Functions** to classify, transform, and route documents through the pipeline. Hybrid solution allowing interleaving with legacy system.

Data Science Intern | *ConstructConnect Takeoff Boost*

- Prototyped multiple **Python ML models** (object detection, image segmentation, image classification, text classification) to explore new production capabilities using construction documents and project data.
- This would turn into Takeoff Boost the **leading AI takeoff product** in the construction software industry.

EDUCATION

College of Charleston, Charleston, SC 2025

Master of Science Computer and Information Sciences (Software Engineering) | GPA: 3.9

Vassar College, Poughkeepsie, NY 2023

Bachelor of Arts Computer Science; Economics Minor | GPA: 3.7

PROJECTS

Family Recipe App | Family Recipe GitHub Dec 2025

- Shipped a full-stack web app with backend services that provides users a social media like experience to recipe sharing. Currently being used by my family to share our recent meals and preserve family recipes.
- Intended to be a true production system: DevOps pipeline, IAC, observability, application security, etc.
- Tech: NextJs, React, Python, Postgres, Terraform, Google Cloud (Run, SQL, Registry, Monitoring, etc.), GitHub

AI Multi-Agentic Autonomous Coder, *Google ADK, Crew AI, Claude Code SDK* Fall 2025

- Building and designing AI agents that can assist our organizations developers with various aspects of their work. POC with various agentic coding development kits/software, currently developing it on Engineer AI Committee.
- Developed a prompt library to guide agents from picking up a JIRA ticket to making the code changes, updating documentation, creating a merge request, creating a testing plan, etc.

Soccer Data Pipeline | Soccer Data Pipeline GitLab Summer 2025

- Shipped a ETL pipeline that transforms raw soccer data into a Postgres SQL database consumable by APIs.
- Designed a series of Serverless Functions that could ingest data in real time and transform into valuable insights.
- Tech: Python, Terraform, Postgres, Google Cloud (Functions, SQL, Scheduler, Pub/Sub, etc.), GitLab

Student Service Center | Student Service Center GitHub Fall 2024

- Worked in a small, startup-style team to build a full-stack web app that centralizes key university student services.
- Ran user interviews and usability tests with students; used Figma and Vercel v0 to quickly iterate on UI flows.
- Tech: NextJs, React, SQLite, Vercel, Figma, GitHub