

Ryan Anderson

Pittsburgh, PA | 724-963-6012 | anderson.t.ryan@gmail.com

EDUCATION

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING, Minor in Finance

Graduated; Aug 2025

Drexel University | College of Computing and Informatics

SKILLS

Java, JavaScript, TypeScript, Python, Node.js, React, SQL, AWS, Azure, Docker, MongoDB, OpenSearch, HuggingFace, CI/CD, System Documentation, Full Stack Development, AI/ML Model Design

EMPLOYMENT HISTORY

AI DATA SCIENTIST

Mar 2024 – Sep 2024

Resolution Life US | Philadelphia, PA

- Improved data pipeline efficiency by ~20%, reducing manual reporting time.
- Built churn-prediction models on 60k+ daily-updating records, improving retention forecast accuracy.
- Resolved data anomalies, ensuring accuracy and reliability in analytics.
- Built AWS-based ETL system cutting data integration latency by ~35%

DEVOPS ENGINEER

Mar 2023 – Sep 2023

Softchoice | Philadelphia, PA

- Managed CI/CD processes to enhance cloud performance, achieving measurable efficiency improvements.
- Collaborated with agile teams on cloud optimization, improving uptime > 99.5%.
- Scoped and configured client projects with Solution Architects, ensuring zero-error cloud integrations.
- Built and deployed a full-stack cloud app on Azure and AWS, strengthening end-to-end DevOps skills.

SYSTEM/DEVELOPMENT SUPPORT ADMIN

Mar 2022 – Oct 2022

SwiftShift | Philadelphia, PA

- Developed JavaScript applications, increasing system speed and reliability by ~25%.
 - Collaborated with small agile teams, delivering innovative cloud solutions.
 - Led sole IT support operations, cutting resolution time ~40% and improving customer satisfaction.
 - Analyzed technical requirements with cross-functional teams to streamline product functionality and usability.
-

PROJECTS

VIRTUAL ECONIMIST AI CHATBOT

Aug 2024 – Jun 2025

Federal Reserve Bank of Philadelphia | Philadelphia, PA

- Designed and deployed a RAG chatbot using AWS Glue, OpenSearch, and Together AI, delivering real-time answers from 100k+ embedded economic records with sub-2s latency.
- Built automated data pipelines processing 10GB+ of economic data, with custom chunking and similarity search achieving ~95% retrieval accuracy.

SENTIMENT ANALYSIS MACHINE LEARNING PROJECT

Mar 2024 – Sep 2024

Resolution Life US | Philadelphia, PA

- Trained a sentiment analysis model on 60k+ news headlines to track portfolio sentiment and correlate trends with stock movements.
- Leveraged Python and AWS services to preprocess data, train the model, and visualize findings, enabling strategic investment insights.

OBJECT-ORIENTED & TEST-DRIVEN DEVELOPMENT BANKING SOFTWARE

Sep 2023 – Dec 2023

Drexel University | Philadelphia, PA

- Constructed a banking system in JavaScript based on Object-Oriented Programming principles.
- Applied Test-Driven Development to achieve >95% test coverage and ensure system reliability.

MERN STACK FULL STACK STATEMENT OF WORK EDITOR

Jun 2023 – Sep 2023

Softchoice | Philadelphia, PA

- Independently built a SOW editor with the MERN stack, adding a CPQ calculator that reduced project estimation time from days to minutes.
- Developed a user-focused backend with role-based access control, supporting 4 user roles and streamlined project workflows