

Doug Zeller

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EDUCATION

Colgate University - Magna Cum Laude

May 2024

B.A. in Computer Science (Graduated with Honors), Minor in Economics

GPA: 3.67, CS GPA: 3.79

Coursework: Data Structures and Algorithms, Discrete Structures of Mathematics, Computer Systems, Algorithmic Game Theory, Object-Oriented Programming, Computer Networks, Machine Learning

PROFESSIONAL EXPERIENCE

Vituity

Hybrid / New York, NY

Software Engineer

October 2024 - Present

- Lead simultaneous development and end-to-end management of the ZenForma, Polaris, and MailFlow projects, working directly with finance to significantly reduce manual processing time
- Head the New College Grad Mentorship Program, designing onboarding experiences and accelerating growth for junior engineers
- Facilitate weekly stakeholder meetings, manage CI/CD workflows, and ensure strategic alignment

Relm.ai

New York, NY

Junior Developer

August 2024 - October 2024

- Developed and deployed dashboards in Grafana using SQL to visualize churn, retention, session length, and growth rates, enabling actionable insights into user engagement and product stickiness

Goldman Sachs

Dallas, TX

Investment Banking Summer Analyst - Information Services Group (TMT Focused)

June 2023 - August 2023

- Prepared financial models and assisted with due diligence on mergers and acquisitions valued at over \$15 billion
- Automated data sourcing by creating model templates using Excel formulas connected through FactSet and CapIQ, resulting in faster pitch deck creation across the firm

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++/C#, ARM Assembly, Shell/Bash, JavaScript, SQL

Tools/Frameworks: React.js, Uvicorn, Unity Engine, Git, NumPy, Pandas, OpenPyXL, Pytest, LangGraph

Interests: Full-stack Development, NLP & Gen AI, Agile Management, Data Engineering & Analytics

PROJECTS

ZenForma Pro Forma Generator

- Automated pro forma generation by integrating Tableau data, Azure Blob Storage, discrete logic, and ML agents orchestrated via LangGraph, reducing processing time from 3 hours to 4 minutes per file

Business Development Polaris Tool

- Developed a full-stack pipeline mapping agnostic data structures into Excel, incorporating powerful filtering to enable previously infeasible analyses

MailFlow Physical Mail Categorizer

- Built an automated pipeline moving scanned mail into internal systems by splitting, parsing, tagging, and routing documents through SharePoint

Optimally Matching Buyers and Sellers with the Hungarian Algorithm

[Code](#)

- Developed a novel implementation of the Hungarian Algorithm by integrating a caching of “second-best” values into its structure, drastically optimizing edge searches
- Benchmarked against the standard Hungarian, delivering a ~300% performance improvement