

# Doug Zeller

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## EDUCATION

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### Colgate University - Magna Cum Laude

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

May 2024

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

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### Vituity

Software Engineer

Hybrid / New York, NY

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

Junior Developer

New York, NY

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

Investment Banking Summer Analyst - Information Services Group (TMT Focused) June 2023 - August 2023

Dallas, TX

- 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

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**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

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### 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