

Dylan Wallace

Madison, WI | dylan@wallace.associates | dylwall.com | linkedin.com/in/dylan-wallace-6128b01a6
github.com/dwLG00

Education

- University of Wisconsin-Madison**, BS in Mathematics (Honors) Sept 2023 – June 2027
- GPA: 3.86/4.0
 - **Coursework:** Linear Algebra, Analysis I, Algebra I-II, Data-Driven Stochastic Processes, Probability
 - **Relevant Programs:** Math Directed Reading Program - Linear Representations of Finite Groups (2024 Spring), Ergodic Theory (2024 Fall)

Experience

- Engineering Intern**, X Corp. – San Francisco, CA June 2024 – Aug 2024
- Streamlined User and Tweet Search data pipelines
 - Trained and deployed two-tower debiasing model for Tweet Search re-ranker to reduce effects of unseen tweets on model performance
 - Technologies: Scala, Python, PyTorch, Hadoop, Pandas
- Chief Technology Officer**, gamut.ink (acquired) – San Francisco, CA July 2023 – Dec 2024
- Led development and deployment of gamut's AI streaming backend
 - Engineered response caching and regex streaming system, reduced mean load time by 60%
 - Implemented user-side text processing pipeline
 - Technologies: Python, Typescript, Quart, Nginx, Docker, React, Zustand
- Full-Stack Developer Intern**, Easton Financial – Palo Alto, CA June 2021 – Nov 2021
- Engineered and deployed critical internal loan database system
 - Implemented internal web and command line interface for loan system
 - Technologies: Python, Flask, PostgreSQL, Docker

Skills

Languages: Python, Javascript, Rust, C, Scala, Prolog, Java, SQL, Japanese

Tools: React, Flask, JQuery, FastAPI, Postgres, Redis, Pandas, NumPy, Torch, Nginx, Git, Docker, Ncurses

Awards and Achievements

- Honorable Mention**, Mathematical Contest in Modeling 2023
- Honorable Mention**, MathWorks Math Modeling Challenge 2023
- National Champion**, International Mathematical Modeling Championship 2022