

Owen Kington

owkington@gmail.com ◊ 573-864-6955 ◊ www.linkedin.com/in/owen-kington

EDUCATION

Purdue University — B.S. in Computer Science

West Lafayette, Indiana | Graduated 05/2026

Minor in Management from the Mitch Daniels School of Business

GPA: 3.62

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Machine Learning & AI, Deep Learning, Marketing Management

EXPERIENCE

Veterans United Home Loans

Columbia, Missouri

MLOps Engineer, formerly MLOps Intern

05/2024 – Present

- Develop and maintain production machine learning systems supporting real estate agent assignment, loan selection, and lead allocation workflows across multiple Veterans United business lines
- Own reliability, correctness, and scalability improvements for model-informed decisioning services using Python, SQL, MongoDB, Redis, Docker, Kubernetes, and AWS
- Led a large-scale data migration of 15M+ distance metrics from SQL to MongoDB and designed the team's first caching strategy, reducing query latency by 95%
- Partner with data science, engineering, marketing, and business stakeholders to translate modeling requirements into production-ready services, communicate trade-offs, and deliver measurable operational impact
- Adopted Claude Code and Windsurf as an early internal user, integrating AI-assisted development into daily workflows to improve code quality, accelerate delivery, and share learnings with the broader team

LaunchPad Purdue

West Lafayette, Indiana

Mentor

03/2024 – 11/2025

- Mentored freshman AI and computer science students through applied AI projects, covering model design, dataset engineering, evaluation, and full-stack integration
- Led weekly technical reviews and one-on-one sessions, helping students break down ambiguous problems, incorporate feedback, and translate prototypes into working applications

Code Ninjas

Columbia, Missouri

Assistant Director

06/2023 – 05/2024

- Led a team of 20 instructors teaching STEM fundamentals, including JavaScript and C#, to K-8 students while managing parent communication, team coordination, and day-to-day learning operations

PROJECTS

Veterans United Lead Buying Service

01/2026 – Present

- Lead maintainer for a high-throughput, model-informed lead buying engine supporting Veterans United Home Loans, Realty, and Insurance branches, with a focus on reliability, correctness, and scalability across 100,000+ daily decisions
- Partner with data science and marketing stakeholders to align technical implementation with business outcomes, communicating progress, trade-offs, and production-readiness decisions across functions

Recipe Sharing Social Media Mobile App

01/2026 – Present

- Developing a full-stack mobile application using a MERN-FastAPI hybrid architecture with React Native for cross-platform delivery
- Engineering a personalized recommendation engine ranking content using 50+ user attributes, including dietary restrictions, engagement history, and pantry context, with attention to AI-powered personalization at scale

Sample Reweighting Strategies for Deep Learning Optimization

03/2026 – 05/2026

- Conducted a comparative deep learning study on sample reweighting methods for mini-batch SGD, evaluating Ordered SGD, KL-DRO, and two proposed weighting strategies across standard vision benchmarks
- Built an experimental framework in PyTorch benchmarking CIFAR-10, CIFAR-100, SVHN, MNIST, and KMNIST using metrics including convergence speed, gradient variance, and loss dispersion

Improved Spotify Shuffle Software

08/2023 – 12/2023

- Built a music recommendation prototype exploring personalization and machine learning fundamentals in Python, iterating on model design based on real user feedback
- Presented the final system to 100+ users, demonstrating both technical implementation and product value

LANGUAGES AND PLATFORMS

- Languages: Python, SQL, Java, JavaScript, TypeScript, C/C++, C#, Go, HTML, CSS, R
- Frameworks: React, Node.js, Express, PostgreSQL, MongoDB, Flask, FastAPI, NumPy, Pandas, Polars, PyTorch, Jest
- Tools: AWS, Docker, Kubernetes, Redis, Snowflake, Git, Claude Code, Windsurf