

Owen Kleinmaier

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EDUCATION

Indiana University Bloomington, BS/MS in Computer Science, GPA: 3.9/4.0

Aug 2022 - May 2027

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Machine Learning, AI, Data Mining, OS

Honors: Dean's List, Hutton Honors College, Provost's Scholar, Luddy Dean's Academic Merit Scholar

SKILLS & INTERESTS

Programming Languages: Python, Java, JavaScript, C#, TypeScript, R, SQL, Kotlin, HTML, CSS

Frameworks & Tools: Next.js, .NET, Figma, Firebase, Excel, Git, AWS, Google Cloud Platform, Jira, ADO, TensorFlow, PyTorch

WORK EXPERIENCES

Software Engineering Intern

Indianapolis, IN

Sallie Mae | C#, .NET, Python, Java, AI, AWS

May 2025 – Present

- Develop a .NET CLI tool adopted by ~**200** internal developers to streamline GitHub Copilot customization.
- Boost engineering productivity by 60% by automating workflows and improving Developer Experience across **25+** teams.
- Contribute to an Agile team using Azure DevOps, Git, and PRs to support tech initiatives behind **\$20B+** in student loans.
- Help shape Sallie Mae's development strategy by introducing AI-driven tooling concepts that sparked new internal initiatives.

Software Engineering Intern

London, UK

Shopwave | React.js, Typescript, SQL, Next.js, AI, REST API

May 2024 - Apr 2025

- Independently developed a full-stack BI dashboard from scratch at a London-based commerce startup, used by clients like **Deliveroo** and **COOK** across **500+** store locations.
- Visualized sales, product, and employee data with dynamic reports and an integrated GenAI assistant for strategic insights.
- Earned **post-internship extension** after MVP success led to **3+ clients requesting** go-to-market deployment.
- Delivered iterative releases in a fast-paced Agile environment using Jira, supporting clients with **\$2B+** in annual revenue.

Undergraduate Instructor

Bloomington, IN

Indiana University | Intro to Artificial Intelligence

Jan 2025 - Present

- Support **100+ students** through lectures, office hours, and exam prep, covering core AI topics such as search algorithms, machine learning, and probabilistic reasoning.
- Grade assignments, exams and projects with detailed feedback, fostering student growth in logic and decision-making.

PROJECTS

Youlists - Full-Stack AI Playlist Generator | React.js, TypeScript, Firebase, Tailwind CSS, Vercel, AI

Jan 2025 - Ongoing

- Designed and developed full stack web app using React and Firebase, integrating the Spotify API and OpenAI to generate dynamic playlists, titles and song selections based on user prompts and listening preferences.
- Built responsive UI components, user authentication, playlist customization, and deployed with Vercel for fast, scalable access.

Invasive Plant Classifier - ML for Ecological Awareness | Python, TensorFlow, scikit-learn, Pandas

Oct 2024 - Dec 2024

- Trained CNNs with transfer learning on a custom image dataset to distinguish invasive vs. non-invasive plant species in Indiana.
- Preprocessed image data and built an evaluation pipeline with TensorFlow and Pandas to support accurate classification.

LEADERSHIP

Google Developer Student Clubs at Indiana University

Bloomington, IN

President

Nov 2023 - Present

- Lead weekly meetings and organized **20+** tech and career-focused events, driving engagement across a **400+** member community.
- Build partnerships with companies, faculty, and student organizations to expand opportunities in software development, AI, and career readiness.
- Named a finalist for **Student Leader of the Year** out of 750+ student organizations at Indiana University.

Luddy Hackathon

Bloomington, IN

Organizer/Co-Founder

Dec 2023 - Present

- Led planning for IU's official Luddy Hackathon, growing it from a club-run event to a university-sponsored competition with **300+ attendees**.
- Secured **\$10,000+** in funding from sponsors like **ServiceNow** and **Google**, managed logistics, and oversaw event execution across venues, volunteers, and marketing.