

Kaden Bilyeu

kadenbilyeu@proton.me | 720-298-8977
<https://www.linkedin.com/in/kadenbilyeu/>
GitHub: <https://github.com/Bikatr7>
Website: <https://kadenbilyeu.com>

Computer science student at UCCS focusing on incorporating AI, LLMs, data science, and NER/NLP into software for real-world applications.

Education

Bachelor of Science in Computer Science, University of Colorado Colorado Springs (UCCS), (Expected May 2026)

Skills

- **Programming Languages:** Python, Java, C, R, C++, JavaScript, Typescript, HTML, CSS, SQL
- **Database Management:** MySQL, Oracle SQL, PL/SQL, Data Backup and Recovery, Database Security
- **Technologies & Frameworks:** Git, OpenAI API, mysql-connector-python, DeepL API, discord.py, Gradio, SpaCy, Pillow, React, Docker, FastAPI, Flask, Vite
- **Methods:** Agile software development, OOP, Debugging, UI/UX, Asynchronous design, CI/CD, API Integration
- **Soft Skills:** Effective Teamwork, Clear Communication, Problem-Solving, Leadership, Project Planning, Technical Documentation

Projects

Full Stack Company Website (Kakusui LLC) (April 2024 - Present) (<https://kakusui.org>)

- Developed a FastAPI backend with multiple endpoints, deployed to a remote cloud hosting service.
- Created a React and Vite frontend that interacts with the backend to provide an optimal visitor experience.
- Delivered a cost-effective website with hosting costs under 15 cents per month by efficiently using hosting services.
- Implemented endpoint security, rate-limit protection, and abuse prevention methods to enhance security.

Japanese-English Preprocessor and Translator (Kudasai) (Jan 2023 - Present) (<https://huggingface.co/spaces/Bikatr7/Kudasai>)

- Integrated ChatGPT, Gemini, Anthropic, and DeepL APIs with a WebGUI using Gradio, leveraging SpaCy for NER/NLP.
- Improved translation speed by 98% by automating and revolutionizing an existing manual process.
- Managed iterative design changes and client requirements over a year, resulting in a robust, user-friendly application.
- Actively developed and currently in use by other parties.
- Investigated and resolved bugs during live hosting on GitHub.

Multi API Translation Library (EasyTL) (Feb 2024 - Present) (<https://easytl.readthedocs.io/en/latest/index.html>)

- Developed a Python library integrating six different translation APIs into one optimized package.
- Created comprehensive documentation hosted on an external website for ease of use.
- Enhanced existing API functionality for optimized usage and introduced new general features.
- Ensured a highly customizable translation tool utilizing AI and LLM technology, with support for async and cost estimation.

Work Experience

(Outlier.ai), AI Training, (06/2024 - Present) (Contract)

- Contributed to the refinement of AI models, focusing on enhancing response accuracy and efficiency.

(UCCS), Teaching Assistant, Intro Stats for Data Analysis, (01/2024 - Present)

- Assisted students in mastering R and data analysis concepts. Enhancing their programming efficiency and overall code quality.

Activities

- **Association of Computer Machinery (ACM) Member (10/2023 - Present)**
- **Finalist in Backdrop Build V3, a 4-week online program focused on building and launching projects in frontier tech areas.**