Kaden Truett Bilyeu

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Computer science senior at the University of Colorado Colorado Springs looking to utilize my skills on AI/ML, LLMs, data science, full stack and NER/NLP into software for real-world applications. Eligible for security clearance. U.S. Citizen.

Education

University of Colorado Colorado Springs   **(08/2022-05/2026)**
Bachelor of Science in Computer Science, ABET Accreditation, Cybersecurity Focus
Minor in Japanese
GPA 3.67/4.00

Skills

- **Programming Languages:** Python, Java, C, R, C++, JavaScript, TypeScript, SQL
- **Database Management:** MySQL, Oracle SQL, PL/SQL, SQLite, Data Backup and Recovery, Database Security
- **Tools & Frameworks:** Next.js, Supabase, React, Docker, Git, GitHub, AWS, Cloudflare, FastAPI, Django, Vite, Linux, NumPy, Keras, PyTorch, Pandas, SpaCy, Fly.io
- **Methods:** Agile software development, OOP, Debugging, Asynchronous design, CI/CD, API Integration

Work Experience

Network Goods Institute, Junior Full Stack Engineer (https://negationgame.com)   **(11/2024 - Present)**

- Led UX prototyping for the "Negation Game," turning a reputation-staking concept into interactive TypeScript mocks and iterating with stakeholders to sign-off and release.
- Built and shipped an end-to-end Next.js / React 19 platform (DB → UI) that operationalizes complex dispute-resolution logic and unlocked follow-on research grants.

UCCS Laboratory for Cybersecurity Dynamics, Undergraduate Researcher   **(06/2024 - Present)**

- Assisted in ongoing satellite cybersecurity research and data collection.

UCCS Computer Science Department, Teaching Assistant   **(01/2024 - 05/2025)**

- Coached 80+ students in R, C and Agile practices via 1-on-1 and online sessions over the course of a year and a half.

OSCorp, AI/ML Intern   **(09/2024 - 11/2024)**

- Designed new AI/ML systems for space defense using Python, C++, and PyTorch, focusing on enhancing autonomy and real-time decision-making capabilities
- Analyzed extensive space data to create new algorithms while leveraging machine learning techniques and data analysis tools to enhance U.S. space domain awareness efforts by improving sensor search and reacquisition capabilities

Network Goods Institute, Software Engineering Intern (https://indexwallets.org)   **(07/2024 - 09/2024)**

- Built a real-time Python + Dash simulator for a novel payment mechanism, delivering an interactive NetworkX-Plotly visuals directly to stakeholders for strategic demos

Projects

Full Stack Company Website (Kakusui LLC) (https://kakusui.org)   **(04/2024 - Present)**
- Founded a Translation as a Service business model that allows customers to create customizable language translations easily
- Runs at < $0.15 / mo on serverless FastAPI + Fly with a React-Vite frontend that allows seamless interactions

Japanese-English Preprocessor and Translator (Kudasai) (https://github.com/bikatr7/kudasai)   **(01/2023 - Present)**
- Constructed a specialized Japanese translator application, reducing a 6-hour manual process to just 5 minutes
- Integrated ChatGPT, Gemini, Anthropic, and DeepL APIs with a Python WebGUI using Gradio, leveraging SpaCy for NER/NLP

Activities

- Association of Computing Machinery (ACM) Officer, UCCS Chapter, Secretary-Treasurer   **(10/2024 - Present)**