Brandon Kantorski

(224) 770-7887 | bfkantorski@crimson.ua.edu | linkedin.com/in/bfkantorski/ | github.com/beakae | bkantorski.com

Education

University of Alabama — **May 2026**
Bachelor of Science in Computer Science (Honors), Minor in Mathematics | GPA: 4.0 — Tuscaloosa, AL
Activities: Undergraduate Researcher under Dr. Jeffrey Carver | Speaker at UA ACM | Founder of Alabama Skateboard Club

Experience

Google — August 2025 – November 2025
Software Engineer Intern — Chicago, IL
- Incoming Fall SWE Intern for GCP Access Transparency, improving a cron job to delete data for GDPR compliance.

University of Alabama — January 2025 – May 2025
Teaching Assistant — Tuscaloosa, AL
- Teaching and managing lab sessions on Object-Oriented Programming and Data Structures and Algorithms for CS II.

Alabama Productivity Center — August 2024 – December 2024
Software Engineer Intern — Tuscaloosa, AL
- Engineered a library system with Django and Python to manage employee software licenses, saving an estimated **$63k**.
- Developed a combobox for the software asset form using Alpine.js to enhance employee selection of 500+ options.

Zekelman Industries — May 2024 – August 2024
Software Engineer Intern — Chicago, IL
- Designed a chatbot template using LlamaIndex and Python, cutting documentation search time by 76% across 3 teams.
- Created a RAG pipeline to parse unstructured documents with LlamaParse and chunk/embed data with LangChain.
- Deployed a Flask-based dashboard using Docker to handle data ingestion, optimizing operational efficiency by 36%.

Projects

Resumes.fyi | *TypeScript, Next.js, TailwindCSS, Yargs, Inquirer.js, Vercel*
- Architected a crowd-sourced resume sharing platform to help job seekers refine their resume, amassing **15k+ users**.
- Refactored explore page to leverage pagination and Redis caching for decreased load times, reducing latency by 87%.
- Integrated Google OAuth into the authentication flow using NextAuth, simplifying the sign-up and login experience.
- Built an interactive CLI tool to add companies using TypeScript and Inquirer.js, accounting for 5% of database entries.

Cvrve.me | *TypeScript, Next.js, TailwindCSS, Shadcn UI, Radix UI*
- Worked on tools to streamline processes for **410k+ students**, including a hackathon directory and student job board.
- Revamped the UI of a job board serving **21k+ users** by incorporating faceted search using Next.js and Shadcn UI.
- Contributed to the concept and design of a web redirect tool with **3.8m+ uses**, enabling data analysis on job postings.

HIPAA-Compliant Health Platform | *Python, FastAPI, TypeScript, Auth0, Pinata*
- **Won Best AI** out of 39 teams at UGAHacks for an AI-driven health monitoring platform with secure data storage.
- Engineered a distributed, immutable database with relational models that supports data updates on Pinata (IPFS).
- Built a custom Python SDK with FastAPI to power an internal query engine for CRUD operations on the database.

Vision-Based Input Aid | *Python, OpenCV, PyQt*
- **Won Best DEI Hack** out of 41 teams at VTHacks using computer vision for tremor-based keyboard/mouse control.
- Integrated gesture detection with OpenCV and applied a dampener algorithm using a low-pass filter for stabilization.

Skills

Languages: Python, JavaScript, TypeScript, Go, Java, C, C++, HTML/CSS
Frameworks: Node.js, Express.js, Django, Flask, React, Next.js, LangChain, LlamaIndex, OpenCV
Tools: Docker, GCP, Azure, Git, BitBucket, Pinecone, MongoDB, Firebase, Playwright
Concepts: System Design, Backend, Fullstack, Serverless Architecture, Microservices, Software Engineering, Agile, CI/CD