

Brendan West

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EDUCATION

Cornell University – Ithaca, New York

Ongoing

Bachelor of Arts in Computer Science (Part-Time Enrollment)

Relevant Coursework: Analysis of Algorithms, Object-Oriented and Functional Programming, Data Structures, System Design, Discrete Mathematics

EXPERIENCE

Cornell University, Ithaca, New York

2018 - Current

Program Assistant, Diversity Alumni Programs

- Develop and manage registration websites for alumni events with data collection.
- Maintain and update Cornell web pages, ensuring optimal performance, functionality, and content accuracy.
- Process and fulfill data analytics requests, providing insights to support informed decision-making.
- Track and analyze alumni engagement data to support strategic planning and outreach efforts.
- Support efforts to advance and engage Cornell's diverse alumni body through targeted initiatives and strategic program management.

PROJECTS

Corkboard | Next.js, React, Convex, Liveblocks, PostgreSQL, TailwindCSS

[GitHub](#)

- Developed a real-time collaborative whiteboard supporting synchronized drawing, notes, and shapes for brainstorming and planning.
- Implemented multi-user functionality with real-time updates using Liveblocks and Convex, ensuring seamless collaboration.
- Designed authorization features with Clerk, enabling role-based access and invitation-based organization management.

Mystery Theories Store | React, Next.js, Node.js, PostgreSQL, Stripe, TailwindCSS

[GitHub](#)

- Built a full-stack e-commerce app featuring dynamic product listings and real-time inventory updates.
- Integrated Stripe for secure payment processing and implemented responsive design for accessibility across devices.
- Developed inventory management with a metadata-driven approach, showcasing API interaction and backend expertise.

AI Dungeon Game | Kaplay.js, OpenAI API, Node.js, MongoDB

[GitHub](#)

- Created a procedurally generated dungeon crawler with Zelda-like mechanics and dynamic level generation via OpenAI API.
- Developed engaging gameplay features, including custom enemy behavior, random item placements, and intuitive controls.
- Built a robust backend to serve generated dungeon maps and manage game state using MongoDB.

SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C, C++, OCaml, SQL, HTML & CSS

Libraries & Frameworks: React, Express.js, Node.js, Kaplay.js, Convex, Flask

DevOps & Cloud: AWS, Netlify, Vercel, Docker

Databases & Tools: PostgreSQL, Convex, MongoDB, Git, Postman, Unix, Excel

Content Management Systems: WordPress, iModules