

Jonathan Mimnaugh

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PROFESSIONAL SUMMARY

Full-stack software engineer with a strong frontend focus, building responsive web platforms, async JavaScript UIs, and AI-integrated applications. Computer Science student at Governors State University with production experience in JavaScript, Python, and Flask, and a strong foundation in relational database design and end-to-end debugging. Recognized contributor to NASA-funded drone safety research with a forthcoming IEEE publication.

EDUCATION

Governors State University <i>Bachelor of Science in Computer Science. GPA: 3.9.</i> Relevant Coursework: Discrete Structures, Intro to UNIX Systems, Web Applications, Mobile App Development, Data Structures & Algorithms, Intro to Databases, Database Design & Admin SQL, Software Engineering	University Park, IL May 2026
St. Petersburg College <i>Associate in Arts.</i>	Tarpon Springs, FL May 2021

EXPERIENCE

Home Shopper <i>Jewel-Osco</i> - Fulfill online grocery orders accurately and efficiently while maintaining high standards for product selection and customer satisfaction. - Manage time-sensitive order queues and adapt to shifting priorities in a fast-paced retail environment.	August 2026 – Present Tinley Park, IL
Research Intern <i>Notre Dame University — Drone Response Lab</i> - Designed and deployed an interactive browser-based diagram editor for NASA drone safety research at Notre Dame, publicly accessible via GitHub Pages, supporting GSN, ERD, and flowchart modes with 6 typed node classifications and formal safety argument rendering. - Contributed to a clustering algorithm modeling drone interaction failure types for geofencing analysis, with 2D and 3D visualization output; contributions included in a forthcoming IEEE Transactions on Software Engineering publication.	May 2024 – Aug. 2024 Notre Dame, IN

PROJECTS

TeaZen Boba Bar <i>Python, Flask, PostgreSQL, SQLAlchemy, JavaScript, Groq API</i> - Implemented a responsive vanilla JavaScript frontend with the Fetch API for async communication, including a shopping cart with checkout, event calendar with RSVP, and job portal. - Built and deployed a full-stack web platform on Render with a Python Flask REST API (10+ endpoints) handling live menu management, orders, events, and job applications. - Designed a relational PostgreSQL database with 7 tables using SQLAlchemy ORM, enforcing referential integrity across menu, order, and event data. - Integrated a Groq-powered AI chatbot grounded on a custom knowledge base to answer menu, allergen, and event questions in real time.	Jan. 2026 – May 2026
NASA Drone Safety Flowchart System github.com/iamjdm/ND-drone-flowchart <i>JavaScript, HTML/CSS, Cytoscape.js, Canvas API</i> - Built a full-featured graph editing UI with 50-step undo/redo, real-time inspector panel, snap-to-grid, multiselect, PNG/SVG/JSON export, shareable URL state sharing, auto-save, and a custom Canvas API minimap with live viewport tracking and click-to-navigate. - Developed a browser-based interactive data visualization and diagram editor supporting Goal Structuring Notation (GSN), ERD, and flowchart modes for NASA-funded drone safety research at Notre Dame, with 6 typed GSN node classifications, auto-numbering, and formal safety argument rendering.	May 2024 – Aug. 2024

SKILLS

Languages: JavaScript, HTML, CSS, Python, Java, SQL
Frameworks & Libraries: Flask, SQLAlchemy, Cytoscape.js, Groq API
Databases: PostgreSQL, MySQL
Developer Tools: Git, GitHub, VS Code, Render