Jason Conklin

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Software Developer

SUMMARY

Computer Science graduate from NJIT specializing in AI-driven and full-stack development. Skilled in React, Flask, and deploying LLM-based applications on cloud platforms such as Render. Proven leader with experience guiding collaborative development projects like CoveyTown Poker, Kanji Gator, and Road Segmentation (SAM), combining strong technical expertise with hands-on operational experience in team coordination, process optimization, and workflow efficiency.

Portfolio: **jasonconklin.dev**

EDUCATION

Bachelor of Science in Computer Science   **May 2025**

NJIT - New Jersey Institute of Technology   Newark, NJ

- Relevant Coursework:
    - Artificial Intelligence | Programming Language Concepts | Data Science | Linux Programming
    - Operating Systems | Computer Networks | Probability and Statistics | Advanced Database Systems

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Tools: React, Flask, Node.js, Tailwind CSS, PyTorch, OpenAI API, Git, CI/CD

Concepts: LLM Prompting, WebSockets, REST APIs, Machine Learning, Data Structures, Cloud Deployment

PROJECTS

- **AI Interview Coach | *Full Stack Developer* | Fall 2025**
    - Built an AI-powered mock interview platform that generates role-specific behavioral and technical questions.
    - Implemented rubric-based scoring and LLM/heuristic switching to reduce API costs while maintaining feedback quality.
    - Deployed full-stack Flask + React app with CI/CD on Render, including post-interview analytics dashboards and adaptive question generation via OpenAI-compatible APIs.

- **Kanji Gator | Frontend Lead | Spring 2025**
    - Led frontend development for a collaborative Japanese Kanji learning platform using React + Tailwind with a Flask backend.
    - Built responsive practice modules featuring progress tracking, animations, and intuitive study-set management.
    - Coordinated with backend/ML teams to align handwriting evaluation APIs and ensure seamless user data integration.

- **Road Segmentation — Meta's SAM | Machine Learning Developer | Spring 2024**
    - Applied Segment Anything Model (SAM) with custom morphological post-processing to extract roads from satellite imagery.
    - Developed reproducible CLI, Jupyter, and Shiny front ends for model inference and visualization.
    - Tuned GPU/CPU fallback handling and checkpoint loading for stable cross-platform performance in geospatial workflows.

- **CoveyTown Poker | Team Lead / Frontend Developer | Fall 2024**
    - Led a 4-person development team to integrate a Texas Hold'em experience into the open-source Covey.Town platform.
    - Built a React/TypeScript interface synchronized via WebSockets for real-time betting, card reveals, and game logic.
    - Designed shared socket types for multiplayer state syncing and mentored peers on architecture and integration workflows.

EXPERIENCE

Warehouse Associate   **May 2023 - Jan 2025**

Good Tidings Plumbing Heating Cooling   Clark, NJ

- Supervised daily warehouse operations, ensuring an 8-person team received appropriate materials to meet delivery deadlines consistently.
- Maintained accurate digital inventory records to ensure precise order fulfillment and on-time shipments.
- Utilized digital tools and spreadsheets to track shipments and coordinate effectively with the operations team.
- Followed company safety policies and OSHA regulations.

EXTRACURRICULAR & VOLUNTEER

- **Member — NJIT Information & Cybersecurity Club | Feb 2022 – Jan 2023**
    - Participated in hands-on cybersecurity projects, Capture-The-Flag competitions, and technical workshops to strengthen applied security skills.
- **Volunteer Tutor — NJIT Coding & Tech Tutoring | Sep 2023 – Dec 2023**
    - Assisted peers with programming fundamentals and debugging techniques, improving collaborative learning outcomes and technical confidence.