

SHERRY GONG

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EDUCATION

University of Illinois at Urbana Champaign

Bachelor of Computer Science, Minor in Business, GPA 3.88

Aug. 2023 – May 2027 (expected)

Champaign, IL

Relevant Coursework: Data Structures, Discrete Structures, Algorithms & Models of Computation

EXPERIENCE

Software Engineering Intern → Software Engineer

Fulcrum GT

May 2025 – Present

Hoffman Estates, IL

- Developed and enhanced 20+ frontend features, including drag-and-select time entries and admin view, using React (MUI) and Next.js while working on Hatch, an AI-powered timesheet automation platform for legal professionals
- Implemented and tested 5+ new Flask API endpoints, improving backend functionality and enabling seamless data flow between components
- Contributed to PostgreSQL backend development, writing and optimizing queries, inserting data, and assisting in schema design and ERD refinement to enhance performance and data integrity
- Resolved critical UI/UX issues, improving navigation flow, accessibility, and consistency
- Collaborated in Agile sprints, completing 30+ JIRA tickets and reviewing 40+ GitLab merge requests to ensure reliable, on-time feature releases

Artificial Intelligence Undergraduate Researcher

OnCare Lab, University of Illinois at Urbana-Champaign

Sep. 2024 – Present

Urbana, IL

- Developing an AI chatbot tailored for mental health support using SentenceTransformer, PyTorch, and HuggingFace, with a focus on empathetic and contextually relevant responses
- Fine-tuning a Retrieval-Augmented Generation (RAG) model based on Mistral, trained on comment pairs extracted from a dataset of 20k+ mental health posts to enhance context-awareness and response quality
- Designing and running human-subject studies for efficacy evaluation, collecting and analyzing survey data to gather feedback

PROJECTS

Lumey Chatbot | React, Next.js, Flask, PostgreSQL

Apr. 2025 – Present

- Built and deployed a full-stack platform on OnCare Lab's remote server, enabling real-time chatbot interaction, survey administration, and scalable data collection
- Implemented the React/Next.js frontend, Flask backend, and PostgreSQL database, supporting secure, multi-user participation in human studies

Drive Doctor | Python, Flask, Google OAuth, JavaScript, HTML, CSS

Aug. 2024 – Dec. 2024

- Collaborated with a team of three to develop a Google Chrome extension for efficient Google Drive file management
- Implemented secure user authentication via Google OAuth 2.0 integrated with a Flask backend

Market Cappers | Python, JavaScript, HTML, CSS

Aug. 2023 – Dec. 2023

- Developed a market cap guessing game with a team of four, implementing real-time data fetching via a Selenium-based web scraping algorithm

LEADERSHIP

Treasurer, Badminton For Fun

July 2024 – Present

- Manage a \$7,000+ per semester budget, maintain membership records and dues for 130+ members, and coordinate event planning and logistics
- Dedicate 6+ hours weekly to oversee practice areas, enforce club policies, and ensure smooth operational execution

SKILLS

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

Frameworks & Libraries: React, Next.js, Flask, Material-UI, SentenceTransformer, Pandas, NumPy

Artificial Intelligence: LLM Fine-tuning, Retrieval-Augmented Generation, HuggingFace Transformers

DevOps: Git, GitLab, GitHub, JIRA, Docker, Agile methodology, CI/CD