Sherry Gong

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EDUCATION

University of Illinois at Urbana-Champaign   Aug. 2023 - May 2026 (expected)

Bachelor of Computer Science, Minor in Business | GPA 3.84/4.00

Relevant Coursework: Data Structures, Discrete Structures, Software Design Lab, Linear Algebra with Computational Applications, Probability and Statistics for Computer Science, Numerical Methods I

SKILLS

Coding Languages: Java, C++, Python, SQL
Frameworks and Tools: Flask, Git, Pytorch, Pandas, Selenium, SentenceTransformer, Docker, NumPy
Artificial Intelligence: LLM Fine-tuning, Retrieval-Augmented Generation, HuggingFace Transformers
Web Development: React, Next.js, JavaScript, TypeScript, CSS, HTML5

RESEARCH EXPERIENCE

Undergraduate Researcher, *University of Illinois at Urbana-Champaign*   Sept. 2024 - Present
Dr. Koustuv Saha, Assistant Professor of Computer Science, Interactive Computing
- Building AI chatbot tailored to support online mental health with SentenceTransformer, Pytorch, and HuggingFace
- Implementing and optimizing RAG-based Mistral model using training dataset of 100k+ online posts
- Conducting efficacy evaluation through human subject surveys

Intern Researcher, *University of Illinois at Chicago*   May 2021 - Dec. 2021
Dr. Ying Liu, Associate Professor of Chemical Engineering, Nanoparticles
- Assisted in experiments related to the medical applications of nanoparticle technology
- Contributed to research paper editing and proofreading for journal submission

PROJECTS

Sunrise Alarm, *Personal Project*   Dec. 2024 - Present
- Developing sunrise alarm clock with color changing background using React, Next.js, TypeScript, and CSS
- Actively working on adding new features, like supporting fullscreen and customization

Drive Doctor, *Software Design Lab Project*   Aug. 2023 - Dec. 2024
- Worked with team of 3 to develop a Google Chrome extension for efficient Google Drive file management and organization, using HTML, CSS, JavaScript, and Python
- Linked Python backend containing Google OAuth to frontend with Flask-based RESTful API server

Market Cappers, *Introduction to Computer Science I Honors Project*   Aug. 2023 - Dec. 2023
- Collaborated with a team of 4 to develop a market cap guessing game using HTML, JavaScript, and CSS
- Implemented real-time data fetching using Selenium for web scraping algorithm

LEADERSHIP

CS Student Ambassadors/Research Scholars (CS STARS)   Aug. 2024 - Present
- Conducting undergraduate research in the Siebel School for Computing and Data Science
- Leading initiatives to recruit and empower K-12 students and women in computer science

Badminton for Fun, *Event Coordinator*   July 2024 - Present
- Manage practice areas and enforce rules for a 120+ member club, dedicating 5 hours weekly
- Oversee membership records, event planning and organization, and club logistics

PUBLICATIONS

- *Chemical Engineering Research and Design*: "Micelle morphology phase diagram in a phospholipid, PEGylated lipid, and peptide amphiphiles ternary system", Volume 181: 354-362, May 2022.