Chloe Simanek

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EDUCATION

Carleton College Northfield, MN
Bachelor of Arts in Computer Science | Minor in Neuroscience | GPA: 3.7/4.0 *June 2026*
- **Coursework**: Artificial Intelligence, Human and Computer Interaction, Software Design, Data Structures, Computation and Complexity, Math of Computer Science, Statistics

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL, R, HTML, CSS
Frameworks & Tools: React, React Native, Flask, Figma
Skills: UI/UX Design, Web Development, Natural Language Processing, Git

EXPERIENCE

Front-End Engineer Intern December 2024
AlphaScenario *Remote*
- Designed and implemented user interface features for AlphaScenario's website using Figma and React
- Conducted research on educational application design to optimize user learning experiences
- Collaborated with cross-functional teams to design a classroom feature that effectively displays classroom content for students and data for teachers
- Engaged in daily meetings to share progress, addressed challenges, and plan next steps

Undergraduate Research Assistant March 2024 – August 2024
Trust and Expertise in Tech Support Relationships with Professor Csizmar Dalal *Northfield, MN*
- Developed an algorithm to identify duplicate questions within 90,000 tickets submitted to Carleton's ITS HelpDesk
- Utilized Python NLP libraries (NLTK, Gensim: Doc2Vec, LDA) and cosine similarity calculations in the algorithm to achieve accurate identification of duplicate questions
- Proposed creative solutions to overcome challenges of unsupervised learning
- Converted results into clear visualizations, providing valuable insights to improve support services and guide future research

Computer Science Course Staff and Lab Assistant September 2023 – Present
Carleton College *Northfield, MN*
- Provide individualized academic support to students, resulting in improved understanding of computer science concepts
- Deliver timely feedback and grades for 1-3 programming assignments for 30 students weekly
- Reinforce communication and technical skills by teaching students and evaluating assignments

Crew Member November 2022 – Present
Jersey Mike's *Lino Lakes, MN*
- Uphold proper operational practices and meet customer needs in a fast-paced environment
- Collaborate with team members to maintain high-quality service delivery, contributing to significant sales achievements, such as exceeding $1,000 in a single hour

PROJECTS

International Soccer Match Data Analysis | *Full Stack Website* January 2024
- Collaborated with a team to develop an interactive website that provides information about international soccer
- Integrated front end (HTML, CSS, JS) with back end (Python, SQL) using Flask to retrieve data from a local database
- Used psycopg2 to connect to a PostgreSQL database, store data, and retrieve it upon user requests
- Refined code structure and website design based on feedback from code reviews and user testing

Blink | *Mobile App* December 2024
- Design and develop a mobile memory game using Figma and React Native, inspired by the classic Simon game
- Upgrade a previous version of the game built in Python to a cross-platform mobile app

INVOLVEMENT

Hack4Impact | **Front-End Engineer** September 2024 – Present
- Empower Somali immigrants to discover and review healthcare providers by working with a team to develop a mobile app in React Native for the nonprofit Isuroon

Carleton College Varsity Women's Soccer | **Athlete** August 2022 – Present
- Academic All MIAC Fall (2023, 2034), NCAA DIII Women's Soccer Championship Tournament Participant (2023, 2034)

Microeconomic Development in Bangladesh | **Off-Campus Studies Program** December 2023
- Engaged in field visits and discussions with development organizations in Bangladesh (e.g., BRAC, Grameen, USAID), gaining a deep understanding of development, microfinance, and key sectors such as education, healthcare, and technology