

Helen Ilkiu

An inquisitive and hardworking student from the University of Illinois at Urbana-Champaign, majoring in computer science. Currently looking to apply my knowledge while gaining real-world experience in business problem-solving.

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EDUCATION

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Champaign-Urbana, IL

Bachelor of Science in Computer Science

May 2024

- **GPA:** 3.83/4.0
- **Relevant Coursework:** Interactive Computer Graphics (CS 418), System Programming (CS 241), Data Structures (CS 225), Computer Architecture (CS 233), Probability and Statistics for Computer Science (CS 361), Software Design Studio (CS 126), Discrete Structures (CS 173)
- **Programming Languages:** Python, C++, Java, SQL, JavaScript, Kotlin, Swift, HTML
- **Extracurriculars:** Kappa Theta Tau Professional Engineering Fraternity, Illini Swim Club
- **Awards:** Dean's List Spring 2022, Fall 2021, Spring 2021, Fall 2020

SWISS FEDERAL INSTITUTE OF TECHNOLOGY - EPFL

Lausanne, Switzerland

Study Abroad

Fall 2022

- Took courses in computer security, computer networking, algorithms, numerical analysis, and the French language

EXPERIENCE & PROJECTS

SOFTWARE ENGINEERING INTERN

Champaign, IL

STATE FARM

May 2022 - August 2022

- Designed and implemented backend for an interactive recommendation service
- Analyzed over 75,000 datapoints to compile a database table with relevant information, resulting in less than 20,000 results
- Coordinated project members to result in a joint product which utilizes a front and backend
- Technologies used: Python, PostgreSQL, Flask

SOLITAIRE GAME

Champaign-Urbana, IL

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

- Developed and completed an object-oriented interactive Solitaire card game using C++
- Utilized agile methodology such as test-driven development and creating short term goals to develop an outcome more efficiently
- Currently working on updating and transferring project to Python to develop more features and a more concrete front and back-end

SCRIBE-AR RESEARCH

Champaign-Urbana, IL

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

August 2021 - May 2022

- Tested and provided feedback for software that utilized augmented reality glasses that provides real-time captioning for Deaf and hard of hearing students

RESEARCH IN ASTRONOMY

Evanston, IL

NORTHWESTERN UNIVERSITY

May 2019 - August 2019

- Visualized collected data by introducing new, more efficient Python software packages that estimate black hole properties using gravitational waves

EXTRACURRICULARS & SKILLS

AI4ALL CHANGEMAKERS, SCHOLARS PROGRAM

Virtual

PARTICIPANT

July 2021 - Current

- Official alumni community of AI4ALL
- Provides historically excluded voices in the AI field a network to learn, connect, and lead in AI

Languages: English, Russian, Spanish, French