Bakry Hisham

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EDUCATION

University of Illinois at Urbana-Champaign   **Expected December 2025**
Bachelor of Science in Computer Engineering   GPA: 4.00/4.00

Related Coursework:
Introduction to Computing, Computer Systems and Programming, Data Structures

Technical Skills

Research: Data analysis, Research paper writing
Frameworks/Tools: Git, OverLeaf
Programming Languages: C, C++, Python, HTML, CSS, JavaScript
Spoken Languages: English, French and Arabic

Project Highlights

Travel Itinerary generator (C++)   **February - May 2023**
- Created a program that generates a travel Itinerary for a trip to Egypt based on user choices.
- Practiced independently coming up with real world business solutions from start to finish using my problem solving mindset.

Missile Command (x86)   **September 2023**
- Independently wrote and debugged the code to the game Missile command in x86 assembly

Sudoku Puzzle Solver (C)   **March 2023**
- Created a program that takes a 9x9 Sudoku puzzle and outputs the solution.
- Implemented a recursive function with backtracking to solve the puzzle.

2048 Game (C)   **March 2023**
- Created a version of 2048 with a modifiable number of rows and columns.
- Applied my knowledge of structs, memory allocation, and creating logic for game inputs.

Experience

University of Illinois Urbana Champaign - Illinois Robotics In Space (IRIS)
- Collaborated in a team environment to write a systems engineering paper detailing our lunar robot.
- Practiced my writing and formatting skills in OverLeaf, and my teamwork and communication skills.

LearnCodeTheHardWay - Full Stack Web development
- Currently taking a web development online course through learncodethehardway.org

Modern English School, Cairo - Research Work
- Conducted lab experiments individually to answer two research questions about safety of river water and parachutes.
- Analyzed and Interpreted experimental data and completed two research papers detailing my findings.

Extracurricular Activities

Member of Tau Beta Pi
- Active team member in the professional committee, dedicated to connecting students with employers and professors and fostering the growth of their personal soft skills.