

# Luke Jachimiec

## Computer Science and Mathematics Undergrad

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Website: [lukejac13.github.io](https://lukejac13.github.io)

### EXPERIENCE

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#### DELCAM CAPITAL

REMOTE

##### Software Engineer Intern

JUN 2025 - Aug 2025

- Developed and enhanced an automated email processing system using Python and Microsoft Graph API to streamline RFQ (Request for Quote) workflows.
- Integrated AI-driven document analysis by aggregating email content and attachments for large language model (LLM) processing.
- Improved automation for email classification, forwarding, and client communication, reducing manual intervention and increasing operational efficiency.
- Collaborated with cross-functional teams to design, test, and deploy new features in a production environment..

#### MONMOUTH COLLEGE SOFIA MENTOR/STUDENT

Monmouth, IL

##### Student

FALL 2022 and Fall 2023

- Worked in a small group to research and learn basic computer elements
- Built an 8-bit computer with very basic functionality using breadboards and small computer chips
- Gained experience with fundamental computer components

##### Mentor

- Led a small group through a research project, with the guidance of my professor
- Researched and built Ben Eater's 6502 Computer
- Programmed a simple Pong game on the computer
- Learned basic memory allocation, assembly programming, and the core elements of how a machine reads code and data to produce an output

### EDUCATION

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#### MONMOUTH COLLEGE

Monmouth, IL

##### BA in Computer Science

2022-2026

##### BA IN MATHEMATICS

### PROJECTS

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- **CONWAY'S GAME OF LIFE** - WITH A SMALL GROUP WE RECREATED CONWAY'S GAME OF LIFE ON A WEBPAGE, USING HTML, CSS AND JAVASCRIPT TO LEARN WEB BASED APPLICATION PROGRAMMING. THE PROJECT CAN BE FOUND ON MY GITHUB PAGE, OR THE WEBPAGE LINK HERE [LUKEJAC13.GITHUB.IO/GAMEOFLIFE/](https://lukejac13.github.io/GameOfLife/)
  - **SUDOKU SOLVER** - BACK IN 2018, WHEN I WAS LEARNING C++ FOR THE FIRST TIME, I MADE A SIMPLE COMMAND LINE SUDOKU SOLVER, WHERE YOU COULD INPUT YOUR UNSOLVED SUDOKU BOARD, AND IF A SOLUTION EXISTED, WOULD AUTOMATICALLY FILL OUT THE REST OF YOUR BOARD WITH THE SOLUTION. THEN, IN 2024, AFTER MY GAME OF LIFE PROJECT, I CREATED THE SAME SUDOKU SOLVER APPLICATION AS A WEB PAGE, SHIFTING FROM C++ TO JAVASCRIPT IMPLEMENTATION. THIS PROJECT CAN BE FOUND ON MY GITHUB PAGE, OR AT [LUKEJAC13.GITHUB.IO/SUDOKUSOLVER/](https://lukejac13.github.io/SudokuSolver/)
  - **SENIOR PROJECT** - PENDING
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## **COURSEWORK**

ALL MY COMPLETED CLASSES AS WELL AS THE SKILLS LEARNED WITHIN EACH COURSE

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### **Computer Science**

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- **COMP-151: Intro to Programming** (Fall 2022)
  - **COMP-152: Data Structures and Algorithms** (Spring 2023)
  - **COMP-235: Intro to Systems Programming** (Fall 2023)
  - **Comp-240: Computer Applications** (Spring 2024)
  - **COMP-337: Computer Communications** (Spring 2024)
  - **COMP-310: Database Theory and Design** (Fall 2024)
  - **COMP-345: Operating Systems** (Spring 2025)
  - **COMP-340: Analysis of Algorithms** (Fall 2025)
  - **COMP-347: Applied Machine Learning** (Spring 2026)
  - **COMP-401/402: Senior Capstone** (Fall 2025-Spring 2026)
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### **Mathematics Classes**

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- **MATH-151: Calculus 1**(Spring 2023)
  - **MATH-152: Calculus 2** (Fall 2023)
  - **MATH-253: Calculus 3** (Fall 2025)
  - **MATH-260: Discrete Mathematics** (Fall 2023)
  - **MATH-241: Linear Algebra** (Spring 2024)
  - **MATH-317: Geometry** (Fall 2024)
  - **MATH-301: Real Analysis** (Spring 2025)
  - **MATH-311: Modern Algebra** (Fall 2025)
  - **MATH-339: Probability** (Spring 2026)
  - **MATH-401/402: Senior Capstone** (Fall 2025-Spring 2026)
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## **ADDITIONAL INFORMATION**

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- Dean's List - Fall 2022, Spring 2023, Spring 2024
- Computer Science Award: Introductory Sequence 2022 Recipient
- Research: Monmouth College SOFIA Project Student - Fall 2022
- Research: Monmouth College SOFIA Project Mentor - Fall 2023
- Member of Phi Delta Theta - Current Treasurer
- Member of Monmouth College Track and Field Team, 2022 - 2026
- Monmouth College Dean's Scholarship Recipient