

# Hesed Guwn

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## EDUCATION

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**Colby College**, Waterville, ME

**Anticipated, May 2025**

*Major: Bachelor of Arts In Computer Science, Bachelor of Arts In Mathematical Sciences*

**GPA: 3.7**

*Relevant Coursework: Data Structures and Algorithms, Linear Algebra, Ordinary Differential Equations*

**Park Hill High School**, Kansas City, MO

**H.S Diploma, May, 2021**

Awards: Questbridge Scholar, AP Scholar with Distinction

## WORK EXPERIENCE

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**Teaching Assistant**

August 2022- Present

*Colby College, Waterville, ME*

- Responsible for assisting in the education of 30 students in fundamental concepts of computer science.
- Educated students on topics of object oriented design, inheritance, and fundamental Python syntax.

**Spa Dining Hall Student Staff**

January 2022- May 2022

*Colby College, Waterville, ME*

- Maximized the production and output of side entrees for the service of hundreds of customers.
- Informed customers of current working statuses and availability of products.

**K&S Commercial Cleaning Warehouse Associate**

June 2021- August 2021

*K&S Commercial Cleaning, Kansas City, MO*

- Worked with teammates to accelerate the process of cleaning, unloading, and shipping totes onto palettes.
- Amplified the number of total palettes shipped by contributing roughly 280 palettes.

## PROJECTS

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**Agent-Based Simulation** [[GitHub Repo](#)]

- Configurable simulation that simulates the interaction of social and anti-social agents in Java.
- Created through the use of linked-lists, inheritance, and Java graphics.

**Basic TopDown RPG** [[GitHub Repo](#)] [[Itch.io](#)]

- Infinitely-running wave based top down shooter RPG game with the main objective of survival.
- Created through the use of Unity and C# scripts.

**Elephant Simulator** [[GitHub Repo](#)]

- Simulates the population and survivability of elephants in Kruger National Park across the span of decades
- Created through the use of search algorithms, multidimensional lists, and matplotlib in Python.

**Python Calculator** [[GitHub Repo](#)]

- Pocket calculator that can add, subtract, divide, and multiply.
- Created through the use of Tkinter in Python and without the use of eval().

**Sudoku Solver** [[GitHub Repo](#)]

- Automatically solves a 9x9 Sudoku board with configurable numbers of locked cells in Java.
- Created through the use of stacks, grids, depth-first search, and Java graphics.

## TECHNICAL SKILLS

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- **Proficient:** Python, Java | **Learning:** C#, HTML, CSS, JavaScript

## CLUBS & ACTIVITIES

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- Colby Hackers, Weightlifting, GameJam