

# Hyunsoo Koh

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## Education

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### Texas A&M University

August 2023 - Present

*Bachelor of Science in Computer Science – Sophomore – GPA: 3.857*

*College Station, TX*

### Course work:

*Program Designs and Concepts, Discrete Structure for Computing, Linear Algebra, Data Structures and Algorithms, Differential Equations, Programming Languages*

## Experience

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### Math Tutor

January 2025 - Present

*College Station, TX*

- Gave one-to-one tutoring sessions teaching over topics in Calculus I.
- Developed communication and problem-solving skills by helping students understand concepts

### Hwarang IT Committee

May 2022 - May 2023

*Cedar Park, TX*

- Gave virtual instruction to young students to help the children acquire greater knowledge of computer science
- Assisted in assembling lesson plans to administer to students and keeping on track with the material
- Used the program Scratch to teach students

## Projects

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### Starting from the STEM | *Next.js, PostgreSQL, Prisma, OpenAI API*

- Developed a full-stack web application designed to teach STEM from a ground-up approach
- Organized user information by integrating Prisma with a PostgreSQL database
- Implemented OpenAI and web animation/UI with good study techniques into the course material for an effective learning environment.

### Image Classification | *Python, Tensorflow, OpenCV*

- Recreated a machine learning program that takes an image input of a dog or a cat from another file, then distinguishes the image
- Utilized Tensorflow library to implement machine learning with OpenCV library to process the images

### Interactive Board Game | *Python*

- Recreated a two-player abstract strategy board game called Teeko in Python
- Utilized turtle graphics to render the game board on screen and numpy library to track the board state and game rules

## Technical Skills

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**Languages:** Python, C++, Haskell, LaTeX

## Clubs and Organizations

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Aggie Coding Club, Korean-American Scientists and Engineers Association, Student Engineering Council