

# Hao Wang

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## SUMMARY

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Driven Computer Science senior at the University of Pittsburgh with a minor in Korean. Known for creativity, curiosity, and a strong eagerness to learn. Passionate about developing innovative solutions and exploring ideas through to completion. Interested in software engineering roles that value critical thinking, adaptability, and fresh perspectives. Seeking a 2025 summer internship.

## EDUCATION

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University of Pittsburgh, Pittsburgh, PA

- Computer Science Major
- Korean Minor

## SKILLS

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Java, C, Python, Haskell, HTML, CSS, JavaScript, SQL

## WORK EXPERIENCE

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### *Piesat*

– Java Development Intern

- Processed data, convert Grib weather data into nc data by latitude, longitude, wind, air pressure, etc... To make data load faster.
- Analyzed and load .dat data file into MySQL using Java.
- Use java to monitor customer-sent files and split them into multiple files, save as a two-dimensional array for front-end display.

### *Weather China*

– Front-end Engineer Intern

- Fabricated the “Lasted Weather Warning” sidebar of the webpage using HTML.
- Gained experience of how front-end tools like Node.js, Vue.js, webpack, and AJAX work.

## SCHOOL PROJECTS

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### *Java*

- Rewrote the hash function to optimize the storage speed of strings by avoiding collision
- Implemented autocomplete feature using DLB trie.

### *Mips Assembly Language:*

- Designed a 2D airplane shooting game, accomplished wall-crossing, bullet-shooting, turning, and collision.
- Implemented a virtual piano using Mips

### *C*

- Debugged hack files using GDB debugging tool
- Implemented a cache simulator that can replay traces from Valgrind and output statistics