

Hexin Jiang

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Education

Haverford College (Cumulative GPA 3.96)

B.S. in Computer Science

Haverford, PA

Expected May 2026

Relevant coursework: Analysis of Algorithms, Principles of Operating Systems, Principles of Computer Hardware, Linear Algebra, Discrete Mathematics

Relevant Experiences

AI Model Development Internship | Python, PyTorch, TensorFlow, Docker

ShenZhen, China

IntelliFusion Technologies

Jun 2023 - Aug 2023

- Used PyTorch and TensorFlow to train and optimize object detection models in Docker containers
- Integrated and tested pretrained image segmentation models (SAM, FastSAM) with input prompts
- Drove cross-team collaboration with Data Collection and Labeling teams for high quality training data
- Developed models used for petroleum leak detection, garbage overflow detection, and more
- Improved accuracy of object detection models by 20% and satisfied requests from clients

Quarto | HTML, Java, Greenfoot

Haverford, PA

Haverford College

Apr 2023 – May 2023

- Built digital Quarto game with user interface using Java with CS professor
- Coded my own AI player for Quarto and embedded the project on school website
- Served as TA and helped students in class to build their own AI players
- Organized Quarto Tournament for all AI players built by students

Undergraduate Teaching Assistant | Intro to Programming

Haverford, PA

Haverford College

Aug 2023 - Present

- Collaborated with computer science professor on grading weekly homework and exams
- Gained expertise on data structures and algorithms
- Helped students tackle challenging problems, gave constructive criticisms and suggestions

Computer Science Contest Team Leader

Pennington, NJ

The Pennington School

Sep 2020 - May 2022

- Competed in the American Computer Science League (ACSL)
- First place in 2020 (intermediate division) (tied) and 2022 (senior division) (tied)
- Organized team meetings, collaborated with instructor on lecture planning and competition logistics
- All-star (individual high scoring) contestant in 2020, 2021, and 2022

Technical Skills

Highly driven computer science student with a strong interest in AI. Proven ability to train and optimize machine learning models catering to the needs of clients, coordinate projects, and foster cross-team collaboration. Skilled in using Python, Java, PyTorch, TensorFlow, and Docker. Familiar with Github, Visual Studio, C++, and HTML.

Programming Languages: Java, Python, C++, HTML

Developer Tools: PyTorch, TensorFlow, Github, Docker, Visual Studio, Greenfoot

Leadership

Rock Band

Oct 2022 - Present

- Founder and lead guitar in “Spilt Milk”
- Coordinated rehearsal time and location, scheduled gigs, managed social media

Acapella

Aug 2022 - Present

- Assistant pitch (leader) for the Haverford College Ford S-Chords
- Led sectionals, arranged music, prepared rehearsals

Languages

English (Fluent), **Mandarin** (Native), **Spanish** (Intermediate)