

Hexin Jiang

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EDUCATION

Haverford College (Cumulative GPA 3.95)

B.S. in Computer Science

Haverford, PA

Expected Graduation May 2026

WORK EXPERIENCE

Software Developer Intern | Python, Flask, PostgreSQL, RESTful API, Pytest

FINRA (Financial Industry Regulatory Authority)

Philadelphia, PA

May 2024 - Present

- Developed and designed a RESTful API for the Firm Examination Management web application using Flask, resulting in a 20% increase in examiner productivity
- Integrated the API with PostgreSQL database using SQLAlchemy and performed upgrades to database query strategies, improving data request speed by 50%
- Built database schemas and validation frameworks using Marshmallow for user input validation, lowering API errors by 30% and allowing the UI to be more responsive and intuitive
- Created automated tests using Pytest for new features to assure quality and API performance

AI Model Development Intern | Python, PyTorch, TensorFlow, YOLO

IntelliFusion Technologies

ShenZhen, China

May 2023 - Aug 2023

- Developed object detection models for petroleum leak detection, garbage overflow detection and more using pretrained YOLO models
- Optimized models using PyTorch and TensorFlow, improved accuracy by 20% and lowered false positives by 30% on average
- Integrated pretrained image segmentation models (SAM, FastSAM) to projects and increased precision of detected objects by 30%
- Incorporated CLIP models to filter true negatives in input data, improved speed by 40%
- Drove cross-team collaboration with Data Collection and Labeling teams for high quality training data

PERSONAL PROJECTS

Checkers | Java, Github, Greenfoot | [Github link](#)

Haverford College

Haverford, PA

Oct 2023 – Nov 2023

- Built digital Checkers game from scratch
- Created a responsive and intuitive user interface on Greenfoot
- Embedded rules and win conditions for a cohesive 2-player experience

Quarto | HTML, CSS, Java | [Github link](#)

Haverford College

Haverford, PA

Apr 2023 – May 2023

- Built digital Quarto game using Java
- 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

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