HAORAN WANG

Seeking for Software Engineer Internship/Full-time

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EXPERIENCE

Master's Thesis

University of Oregon

Feb 2021 – Present | Eugene, Oregon

- Develop an End-to-End model (OneIE) for document-level information extraction tasks on SCIREX dataset.

Graduate Teaching Assistant

University of Oregon

March 2020 – Present | Eugene, Oregon

- GTA for Computer Science II (spring 2020, winter 2021, spring 2021), Computer Science III (fall 2020).
- Taught weekly lab sessions with around 25 students each.
- Held regular, weekly office hours and answered questions on Piazza.
- Graded student projects for class size of approximately 120 students.

Undergraduate Research Assistant

Purdue University

Sep 2019 – May 2020 | West Lafayette, Indiana

- Purdue CAM2 research group, image database team.
- Built a database to store images along with their metadata captured by network cameras around the globe.

PROJECTS

Kaggle: Multilingual Toxic Comment Classification

- Fine-tuned BERT, XLM-RoBERTa to classify toxic comments in multiple languages.
- Achieved ROC-AUC score of 0.9459 on undisclosed test data. In comparison, the best entry in this competition achieved 0.9556.

Parallel Gomoku AI

- Parallel implementation of Mini-Max game tree search using OpenMP and CUDA.
- Achieved significant speedup (up to 100x) by leveraging GPU.

Aim Master

- A website game for players to practice aiming skill for FPS games.
- Client-Server model using NodeJS that connects to a MySQL database to store player information.

Basketball VR

- VR game to let player shooting basketballs with detailed visual and sound effect to give player an immersive experience.

EDUCATION

M.S. in Computer Science 3.85/4.0

University of Oregon

Sep 2019 – June 2021 | Eugene, Oregon

B.S. in Computer Science 3.30/4.0

Purdue University

Aug 2014 – May 2019 | West Lafayette, IN

ACHIEVEMENTS

Honor Student, Purdue University
Dean's list for Spring 2019

STRENGTHS & SKILLS

Web Development | iOS Development | Machine Learning | Game and VR Development | Database | Node Js | React Native | PyTorch | Scikit Learn | Pandas | Numpy | Unity | MySQL | Git | LaTeX

LANGUAGES

C/C++
Java
Python
SQL
HTML, CSS, Javascript
C#
R

COURSEWORK

- Data Structures and Algorithm
- Software Engineering
- Algorithm Analysis
- Computational Science
- Introduction to Artificial Intelligence
- Machine Learning
- Natural Language Processing
- Parallel Processing
- Database
- Linear Algebra
- Probability