

Seeking for Software Engineer Internship/Full-time

 www.brucehrwang.com



Master's Thesis

📍 Eugene, Oregon

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

Graduate Teaching Assistant

📍 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

📍 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.

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.

M.S. in Computer Science 3.85/4.0

📅 Sep 2019 – June 2021 📍 Eugene, Oregon

B.S. in Computer Science 3.30/4.0

 Aug 2014 – May 2019 West Lafayette, IN

ACHIEVEMENTS



Dean's list for Spring 2019

STRENGTHS & SKILLS

LaTeX

LANGUAGES

C/C++

Java

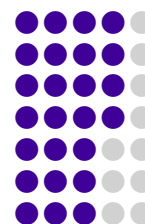
Python

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