

Haoran Wang

2421 Kestral Blvd, Apt #A, West Lafayette, IN, 47906 | (765)838-9520 | brucehrwang@yahoo.com

Education

BACHELOR OF SCIENCE, COMPUTER SCIENCE | MAY 2019 | PURDUE UNIVERSITY

- GPA: 3.30/4.0

Skills, Projects and Research Experience

PROGRAMING AND DEVELOPING SKILLS

- Proficient in C/C++, Java, Python, C#, SQL, Unix/Linux environment.
- Proficient in Web Development, iOS development, Android Development.
- Proficient in Database Systems, Data Analysis using R and Data Mining.
- Familiar with basic Machine Learning Algorithms.
- Familiar with Internet Security and Penetration Testing.
- Familiar with Game Development in Virtual Reality using Unity Game Engine.

PROJECTS

- Portfolio: GitHub (<https://github.com/wang2226>)
- Kaggle Competition (5th place out of 57 teams): Using Machine Learning Algorithms to label sentences with different sentiments.
- AimMaster: a simple webpage based 2-D game. Implemented with HTML5, CSS, JavaScript, Node.js, Express, MySQL and hosted on IBM BlueMix.
- MyShell: A functioning Unix shell with some add-on features such as printing information about commands in the background, resuming a suspend background job, and improved wildcarding.
- HTTP Server: an HTTP server that allows client to connect and download files.
- Search Engine and Web Crawler: A search engine based on simple web crawler.
- IRC (Internet Relay Chat) Server and Client: Simple IRC application.
- iOS and Android Apps: Tip Calculator, Tic Tac Toe game, Connect 4 Game.

RESEARCH

- Purdue CAM2 Research Team | Professor Yung-Hsiang Lu | (NSF: ACI-1535108) | Aug 2018 - Now
| <https://www.cam2project.net>
Build a database to store images captured by network cameras around the globe. Evaluate different solutions to Big Data storage problem of unstructured data.

Activities

PURDUE POLYTECHNIC INSTITUTE PROGRAM | PURDUE UNIVERSITY | AUG 2014

- Worked on a semester-long project to solve Food Desert problem in the world by building an automated greenhouse to grow plants using Arduino.

Awards

SEMESTER HONOR STUDENT | PURDUE UNIVERSITY | May 2019