Haoran Wang

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Education

BACHELOR OF SCIENCE, COMPUTER SCIENCE | MAY 2019 | PURDUE UNIVERSITY
· GPA: 3.30/4.0

MASTER OF SCIENCE, COMPUTER SCIENCE | EXPECTED JUNE 2021 | UNIVERSITY OF OREGON
· GPA: N/A until 12/17/2019

Skills, Projects and Research Experiences

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.
· Proficient with basic Machine Learning Algorithms.
· Familiar with Internet Security and Penetration Testing.
· Proficient 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 – May 2019 | 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