Waha (Weiheng) Li

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Software Engineer, with experience concerned with front end, back end, operating system, data mining, web security.

Education Background

Lehigh University, Bethlehem, PA   expected December 2017

M.S.,Computer Science, GPA:3.61/4

Zhejiang University, Hangzhou, Zhejiang, China   Auguest 2011 - June 2015

B.E.,Electronic & Information Engineering, GPA:3.33/4

Technical Skills

Basic Language: Python, C, Java, C++

Web development: Experience with web server configuration, website building and writing, database configuration and most script language.

Algorithm: Well trained with most algorithm and strategy.

Data Mining: Numpy, Scipy, Pandas, Xgboost, Sklearn, Vowpal Wabbit**.**

Experience

KSA&D, Allentown, PA   May 2017 - Current

Web developer Intern

- Developing an online survey system for KSA&D company which enables user to build a survey, edits questions and gets the result, using MySQL to manage account information, implementing website with JQuery, Bootstrap, etc.
- Maintaining, expanding, and scaling websites of customer organization.

Research & Projects

User-Level Threading Library (C)   March 2016 - April 2016

- Implemented a user level threading library with function of create(), wait(), join(), exit(), etc.
- Implemented concurrency among threads with round-robin scheduling.
- Implemented locks and condition variables.

Filesystem in User Space (C++)   April 2016 - May 2016

- Implemented a file system with the FUSE Userspace filesystem module.
- Implemented characteristics of persistence. Filesystem can be mounted and unmounted.
- Implemented directories, user Permissions, Large File Support with FAT.

Loyal Customer Prediction (Python) Link   Oct 2016 - Nov 2016

- Kaggle competition (Course project for Data mining) - Determine whether a new customer will turn into a loyal one based on information about customer and merchant and transaction log.
- Built comprehensive features to describe all cases and Trained and predicted with combination of XGboost, Vowpal Wabbit, Extraforestclassifier, GradientBoostingClassifier, etc.
- Leaderboard: 2nd place.

(Website APP) Event planer Link   Sep 2016 - Oct 2016

- Implemented Gulp with modules like Concat, Uglify, BrowserSync, Autoprefixer, SASS, etc.
- Stored accounts and events information with Firebase.
- Implemented app with technology of AngularJS, Bootstrap, JQuery, HTML DOM, Nodejs, etc.
- Implemented forms with technology of Bootstrap, autocomplete, Google map.

Honors

The 5th Place in 17th Robocup World Competition Rescue Simulation League   July 2013

Six patents in fields of electronic, energy, mechanism in China   2012 - 2015