

Weiheng Li

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Education Background

Lehigh University, Bethlehem, PA Expected December 2017
M.S., Computer Science, GPA: 3.61/4
Zhejiang University, Hangzhou, Zhejiang, China August 2011 - June 2015
B.E., Electronic & Information Engineering, GPA: 3.38/4

Technical Skills

Language:

Proficient: Python, Java, JavaScript, C.

Familiar with: PHP, C++, Scala, Ruby, Perl, Matlab, Verilog, Assembly Language.

Web frameworks/tools: AngularJS, AngularFire, BackboneJS, Wordpress, Codeigniter, NodeJS, jQuery, Bootstrap, Firebase, Gulp, ExpressJS, MongoDB.

Machine learning: Tensorflow, Keras, Scikit learn, Xgboost, Vowpal Wabbit, Modern neural network.

Experience

KSA&D, Allentown, PA May 2017 - August 2017
Software Engineer, Intern

- Developed an online survey system which enabled user to build and release surveys and gather the results, using MySQL to manage account and survey configuration.
- Developed a password manage system which enabled user to add clients and save passwords in the database.
- Developed a WordPress plugin which hooked popular Contact form 7 and Visual form builder plugin and saved all form information in database. Developed a front end API to view all form information.
- Took part in more than twenty projects in aspects of front end and backend programming.

Research & Projects

(Kaggle Competition&Class proj) Loyal Customer Prediction (Python) ([Link](#)) Oct 2016 - Nov 2016

- Built comprehensive features to describe all cases. Trained and predicted with combination of XGboost, Vowpal Wabbit, and Extraforestclassifier and GradientBoostingClassifier in Scikit learn, etc.
- Leaderboard: 2nd place.

(Webpage game&Personal proj) Cross Bug (Javascript) ([Demo](#)) Feb 2016 - June 2016

- A game to control a prince to cross bug stream to reach the castle. Prince has to avoid many kinds of bug and get more gems to reach a point to get the key to the castle. Several kinds of angel would provide limited help.
- After the game, you can input your name and be recorded in a worldwide scoreboard if your score is top ten. Scoreboard is implemented by Firebase.

(Webpage APP&Personal proj) Event planner (Javascript) ([Demo](#)) Sep 2016 - Oct 2016

- Enabled user to log in, build, view and delete events online, used Firebase to store users info and events info.
- Implemented Gulp with modules like Concat, Uglify, BrowserSync, Autoprefixer, SASS, etc.
- Implemented app with technology of AngularJS, Firebase, Bootstrap, JQuery, Google map.

(Webpage APP&Intern proj) Survey Website (PHP, Javascript) ([Demo](#)) May 2017 - June 2017

- Running on KSA&D company server to carry out surveys.
- Enabled user to log in, configure and modify profile information and default color, build and release survey with multiple kinds of question format.
- Configured session in PHP to remain logging in or the process of survey when user reopening pages.
- Used router to resolve url to choose different controller and action.
- Used PHP and MySQL to store account and survey information.
- Implemented app with technology of Bootstrap, JQuery, AJAX, Image cropper, Jqcloud, Bars square.

(Wordpress plugin&Intern proj) Form content collector (PHP, Javascript) May 2017 - June 2017

- Running on dozens of Wordpress website maintained by KSA&D company.
- Solved the common problem where email server did not configure well in Contact Form 7 and Visual Form Builder plugin. Saved all content in database and viewed them in a more convenient way.
- Hooked into popular Contact Form 7 and Visual Form Builder plugin to retrieve and store all form content into Database when submit button is clicked.
- Developed a setting page in Wordpress dashboard to configure client name and key.
- Implemented a frontend website to log in and read all form content according to different client, supporting searching with keyword and date range, with framework of Codeigniter.

Honors & Patents

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

Six patents in fields of electronic, energy, mechanism in China (Visit my [homepage](#) to see more)