

Waha Li

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Education Background

Lehigh University, Bethlehem, PA

Expected January 2018

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

Zhejiang University, Hangzhou, Zhejiang, China

August 2011 - June 2015

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

Technical Skills

Language:

Proficient: Python, JavaScript, C, Java, PHP.

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

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

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

Experience

KSA&D, Allentown, PA

May 2017 - August 2017

Software Engineer, Intern

- Developed an online survey system which enabled user to build a survey with five kinds of questions, release survey and got the conclusion, using MySQL to manage account information.
- 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 submit button and saved all form information in database. Developed a frontend API to view all form information according to client name, supporting keyword and date range searching.
- Took part in more than twenty projects in aspects of frontend and backend programming.

Research & Projects

Loyal Customer Prediction (Python, Sklearn) ([Kaggle Link](#))

Oct 2016 - Nov 2016

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

Filesystem in User Space (C)

Feb 2016 - June 2016

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

(Website APP) 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.

(Website APP) Survey Website (Javascript, PHP) ([Demo](#))

May 2017 - June 2017

- Enabled user to log in, configure and modify profile information and default color, build and release survey with five kinds of question.
- Configured session in PHP to remain log in or process of survey when user reopening pages.
- Using router to resolute url address 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) Form hooker

May 2017 - June 2017

- Solved the problem that email server not configured well in Contact Form 7 and Visual Form Builder plugin, as a common case. Saved all content in database and viewed them in a more convenient way.
- Hooked into popular Contact Form 7 and Visual Form Builder plugin and retrieved and stored all form content into Database when submit button is clicked.
- Developed a setting API 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

The 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)