Wanying(Amy) He

Permanent Resident (US Citizenship - in progress)

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EDUCATION

University of California, Davis - Davis, CA   Sep, 2015 - June, 2017
Bachelor of Science, Major in Computer Science
College of Alameda - Alameda, CA   Sep, 2013 - May, 2015
Associate Degree: Computer Science

TECHNICAL SKILLS

- **Front-End:** JavaScript(ES6), AngularJS, React, HTML, CSS, jQuery, Bootstrap, npm,
- **Back-End:** Java, node.js (express), C++, Python
- **Database:** SQL, MongoDB, SQLite3, PostgreSQL
- **Knowledge:** RESTful API, MVC Patterns, Agile Development, OOP/OOD, HTTP, TCP/UDP, System Design, API
- **Tools:** Git, Sketch, Photoshop, Sketch, Unix, Ubuntu, Macintosh, Zookeeper

WORK EXPERIENCE

Front-End Developer and Associate Product Manager   Dec 2016 - Feb 2017
Project Hub Inc., San Jose C
- Translation designer mock up to wireframe front-end code
- Accomplished the project with **Restful API, AngularJS,** and few other **APIs** and improved scalability and availability
- Assisted Product Manager on product scope, task prioritization, resource allocation
- Performed functionality test with unit test and performance testing

Database Assistance II and IT Technician I   June 2014 - Apr 2015
AnB Components, Oakland CA
- Assisted in maintenance of database on **data mining**, data analysis and data entry using SQL and excel
- Remodel company website using **Javascript, CSS, HTML www.anbcomponents.com/**
- Reconstruct manufacture product shipment structure using SQL and reducing 20% query response time and increasing 15% efficiency

PROJECT

PhotoBooth with Google Vision API (Role: Full-Stack Developer)   Apr 2017 - May 2017
An photo share web application, automate generate photo hashtag for user using Google Vision API
- Front-End design and implementation with **HTML**, **CSS**, **JavaScript**
  - Developed 80 % of the **UI/UX** part, and improve functionality on favorite, filter, add, delete features
- Back-End design and implementation with **node.js , SQLite3, RESTful API, AJAX**
  - Contributed on 50% of the server side code, and reduced query response time by 20 %
  - Refactor the code with **Google Coding Style** and reduce 20% coding repetition
- Performed functionality testing, usability testing, interface testing and performance testing

Mini Yelp Camp   Jan 2017 - Mar 2017
A yelp like campground and camp activities sharing website, user can post/edit/delete/update with **OAuth**
- Use **MEAN** stack to support the web application, developed a **node.js** base server
- Demonstrating **RESTful** service using **Mongoose MongoDB, Express, Bootstrap**
- Implemented **middleware** to improve security on OAuth
- Deployed to **heroku**: https://secure-atoll-74888.herokuapp.com/ and host database on **mongoLab**

Simple Shell, Thread Library, File System (Role: Infrastructure & Quality Assurance)   Jan 2017 - Apr 2017
- Implemented parser(simple shell) with system calls from C Library, and wrote test cases from bottom up
  - Contributed on cd, ls, echo functionality and error message
- Constructed functionality on **thread**, **concurrency**, **message queue**
- Achieved file system to simulated how files are store in hard disk using B+ tree

Z-Algorithm, Boyer-Moore with Unit Test(Role: Infrastructure & Quality Assurance)   Mar 2017 - Apr 2017
- Performed String Exact Matching with Z-Algorithm and Boyer-Moore based on professor skeleton code
- Wrote **Unit Test** and **SanityCheck** with **GoogleTest**

ADDITIONAL QUALIFICATION

Certification: Front-End Web Development Nanodegree (Udacity), Full-Stack BootCamp Completion(Udemy)
Languages: English (Full Professional Proficient), Cantonese(Native), Mandarin (Native)