

Wanying He

Alameda CA 94501 | wanhe@ucdavis.edu | (510) 816-3889
github.com/wanyhe45 | wanyinghe.com | [linkedin.com/in/wanying-he-5b7b86132/](https://www.linkedin.com/in/wanying-he-5b7b86132/)

EDUCATION

University of California, Davis

Bachelor of Science, Major in Computer Science (GPA: 3.0)

Davis, CA
June, 2017

- **Coursework:** Web Development, Interactive Design, Algorithm Design, Data Structures, Computer Network, Operating System, Database System, Programming Languages

College of Alameda

Associate Degree: Computer Science (GPA: 3.78)

Alameda, CA
May, 2015

- Vice President of Governmental Justice Association

PROJECT

PhotoBooth with Google Vision API (UC Davis: Web Development)

Role: Full-Stack Developer

An photo share web application, automate generate photo hashtag for user using Google Vision API

- Collaborate on a team of 3, and contributed on design, implementation and testing
- Front-End design and implementation with **HTML, CSS, JavaScript**
 - Developed 80 % of the **UI/UX** across the project, and improve functionality on favorite, filter, add, delete features
- Back-End design and implementation with **node.js, SQLite3, REST API, AJAX**
 - Developed 50% of the server code, and implement functionality on request data from Google **API**
 - Refactor the code with **DRY** and **Google Coding Style** and reduce 20% of code
- Performed functionality testing, usability testing, interface testing and performance testing

Mini Yelp Camp (Udemy: Full-Stack BootCamp)

A yelp like campground and camp activities sharing website, user can post/edit/delete/update post 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 (UC Davis: Operating System).

Role: Infrastructure & Quality Assurance

- Implemented simple shell with system calls from **C Library**, and wrote test cases from bottom up
 - Contributed on cd, ls, echo functionality and error message
- Implemented functionality on **thread, concurrency, semaphore** with partners base on professor skeleton code
- Achieved **file system** to simulated how files are store in hard disk with professor skeleton code

Z-Algorithm, Boyer-Moore with Unit Test(UC Davis: Algorithm Design)

Role: Infrastructure & Quality Assurance

- Implemented String Exact Matching with Z-Algorithm and Boyer-Moore based on professor skeleton code
- Wrote **Unit Test** and **SanityCheck** with **GoogleTest**

Yahoo Weather App (UC Davis: Web Development)

Role: Front-End Developer

- Translation designer mock up to wireframe Front-End code
- Implemented, enhanced and tested **API Integration** with Yahoo Weather API

TECHNICAL SKILLS

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

WORK EXPERIENCE

Database Assistance II and IT Technician I

June 2014 - Apr 2015

AnB Components, Oakland CA

- Promoted from Database Assistance I to Database Assistance II
- Assisted in maintenance of database, data entry, data analysis and data mining using SQL and excel
- Contributed in remodeling company website using **Javascript, CSS, HTML** www.anbcomponents.com/
- Remodel manufacture product shipment structure with database and reduce 20% product prepare time

ADDITIONAL QUALIFICATION

Certification: Udacity Front-End Web Development Nanodegree

Languages: English (Full Professional Proficient), Cantonese(Native), Mandarin (Native)

Immigrant Status: Permanent Resident in United States

Soft Skills: fast learner, high adjustability in international environment, time management