

Laura Fang



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TECHNICAL SKILLS

- **Front-End:** JavaScript; HTML5; CSS3; jQuery; AJAX; Node.js; Bootstrap; Responsive Web Design; UI/UX
- **Back-End:** Java; Python (Django, Flask); Ruby; R; Swift; C++; C; Prolog
- **Databases:** MongoDB; MySQL; AWS S3; PostgreSQL; SQLite
- **Knowledge:** Data Structures & Algorithms; Object-Oriented Programming/Design ; Git; Linux/UNIX; HTTP; TCP/IP; REST API; Artificial Intelligence

EDUCATION

University of California, Davis

Davis, CA

Bachelor of Science, Computer Science

Dec, 2017

- **Relevant Coursework:** Data Structures & Algorithms, Artificial Intelligence, Object-Oriented Programming, Operating Systems, Computer Networks, Software Engineering, etc.

PROFESSIONAL EXPERIENCE & PERSONAL PROJECTS

Data Lion(Shushi) Technology Inc. | Software Engineer Intern | Shenzhen, China Jun 2016 - Sep 2016

- Designed and implemented 30% of ETL (Extract, Transform, Loading) System for processing Big Data
- Built Dashboard UI from scratch by using *React + Redux* framework
- Refactored codes, separated **APIs**, business logics, and *UI* styles
- Assisted in maintenance of database on **data mining**, **data analysis** and **data entry** using SQL and Excel
- Implemented rich text editors that allow users to upload image and send feedbacks
- Wrote some **unit tests** and configured with CI system for automation tests
- Nicely showed error messages based on *APIs response*

Item Catalog Application | RESTful Web Application | Vagrant

Jun 2017 - Sep 2017

- Demonstrated **RESTful** service using Python Framework **Flask**, **AJAX**, **Bootstrap**
- Built Login system with **Google Plus APIs**, **Facebook APIs** and other third-party **OAuth** providers
- Created blogs system that allow user to do **CRUD** (create, read, update and delete) operations
- Properly implementing authentication mechanisms by a **middleware** and appropriately mapping HTTP methods to CRUD operations makes it a high-level **secured** web application

Logs Analysis| PostgreSQL| Vagrant | Davis, CA

Aug 2017 - Sep 2017

- Built an *informative internal reporting tool* from logs involving over a *million of lines* of **PostgreSQL**
- Wrote a Python **data analysis** program to connect to the *shared database* that from a *real-world* web application
- Implemented fields representing information that record HTTP status, URL paths, and other features could be selected or filtered for accurate data searches.

Facial Recognition| Artificial Intelligence | Davis, CA

Aug 2016 - Dec 2016

- Created **SQL** to retrieve training data and implement **3-layer feed** forward neural network with **SIGMOID**
- Visualized weighted map for each hidden layer node and did **cross-validations** for evaluating prediction results

Neighborhood MAP | Full-stack Developer | Roseville, CA

Mar 2016 - Jun 2016

- Used **Knockout** framework to handle the list, filter and the other menu bars
- Data APIs like **Google Map**, **Yelp reviews** load *asynchronously* and errors handled gracefully by using **jQuery**
- **Optimized** web performance in re-construct code architecture and minimize CSS by analyzing *Runtime Performance* and entire **Critical Rendering Path** in panel of *DevTools*

UC Davis Health System Student Review| Full-stack Developer Intern | Sacramento Oct 2016 - Jan 2017

- Created "Write a Review" function for Medical/Psychology students contributing their thoughts to weekly volume
- Remodeled the website structure using JavaScript, CSS, html5 based on **Liferay Enterprise Portal**
- Improved the user experience by make web act responsively and loading request asynchronously

ACTIVITIES & INTERESTS

- **Activities:** Davis Computer Science Club; Hack Davis Hackathon 2016; Hack Davis Hackathon 2017
- **Languages:** Fluent in Mandarin and English (written and spoken)