

Laura Fang

2033 F St, Apt 205, Davis CA 95616 | (408) 799-5513 | Full-time New Grad 2018

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EDUCATION

University of California,
Davis

Bachelor of Science in

Computer Science

GPA 3.2/4.0

Dec 2017 | Davis, CA

SKILLS

Front-End:

• JavaScript • HTML5 • CSS3 •
React + Redux • D3 •
AngularJS • Bootstrap • JQuery

Back-End:

• Python • Java • C++ • C
• Ruby on Rails • Swift • R
• MATLAB

Databases:

• MySQL • NoSQL • AWS EC2 •
AWS S3 • DynamoDB • Docker
• Redshift

Knowledge & Tools:

• REST API • Vim • Git

COURSEWORK

- **Data Structure and Programming (ECS 60)**
- **Algorithm Design I & II (ECS 122 A & ECS 122B)**
- **Artificial Intelligence (ECS 170)**
- **Programming Language (ECS 140)**
- **Computer Network (ECS 152)**
- **Interactive Media (DES 16)**
- **Type in Motion (DES 157)**
- **Machine Dependent Programming (ECS 154)**
- **Operating System (ECS 150)**

EXTRACURRICULARS

- Davis Computer Science Club
- HackDavis Hackathon 2016
- HackDavis Hackathon 2017

PROFESSIONAL EXPERIENCE

Data Lion Technology Inc. | Shenzhen, China | Mar - Jun 2016

Software Engineer Intern

- Designed and implemented ETL (Extract, Transform, Loading) System for processing Big Data
- Researched open source projects for handling PB Level SQL Query Engine
- Built a distributed SQL query engine allowing users to query from different clusters
- Created API service using Docker + Kubernetes for handling 100K+ QPS requests service
- Wrote some unit tests and configured with CI system for automation tests
- Monitored service by dumping logs to elastic search and visualized by Grafana
- Wrote backend service for providing APIs for front-end UI

Data Lion Technology Inc. | Shenzhen, China | Jul - Sep 2016

Software Engineer Intern

- Built Dashboard UI from scratch by using React + Redux framework
- Refactored codes, separated APIs, business logics, and UI styles
- Created blogs system that allow user to write tech blog in the website
- Implemented rich text editors that allow users to upload image and send feedbacks
- Nicely showed error messages based on APIs response

UC DAVIS Health System | Sacramento, CA | Oct - Jan 2017

Full-stack Developer Intern

- Created Review Component for plugging into Health System
- Built fantastic UI by using D3 and made it reusable
- Reduced compiling time and did improvement on web loading speed

SIDE PROJECTS

One By One Rescue Organization | Roseville, CA | Jan- Mar 2016

Front-end Developer

- Implemented real-time videos and interactive gift prompting up component
- Built home page for website and wrote automating deployment scripts to App Engine
- Refactoring old codes and made code architecture clean

Pokémon Game | Machine Learning | Aug 2015 - Dec 2015

- Collected massive game data and push it to AWS RedShift (TB Level SQL Query)
- Created complex SQL to retrieve data from RedShift and trained different models
- Evaluated Different models and did cross-validations for results