

JESSICA FANG

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Katy, TX 77494

EDUCATION

TEXAS A&M UNIVERSITY – College Station, TX

May 2017

- Bachelor of Science in Computer Science, Minors in Mathematics and Cybersecurity
- GPA: 3.911

NORTH CAROLINA STATE UNIVERSITY – Raleigh, NC

Aug 2013 – May 2014

- 33 credit hours toward a Computer Science degree
- GPA: 3.763

SKILLS

PROGRAMMING LANGUAGES – Java, Ruby on Rails, C++/C, HTML, CSS, Javascript

SOFTWARE DEVELOPMENT TOOLS – Git, GDB, Vim, IntelliJ

OPERATING SYSTEMS – Mac, Linux, Windows

LANGUAGES – Native English, Fluent Mandarin, Beginner Japanese

PROFESSIONAL EXPERIENCE

CO-OPERATIVE EDUCATION / INTERNSHIP

Amazon Junior Software Developer

January 2016 – Present

- Redesign internal authorization system to scale throughput by a factor of 10,000.
- Ensure quality and functionality of code via design, implementation, and refinement of automated integration tests.
- Implement best practices to enhance code quality and overall efficiency as well as ensure well documented code
- Maintain ownership of all aspects of features, including design, estimation, development, testing, review, and sustainment.

PERSONAL EXPERIENCE

PERSONAL PROJECTS

Student Organization Application

Present

- Collaborate with another developer to implement an app with assignment checklist, grade storage, and GPA calculation.
- Implement database functions.

File Transfer System – WinSync

Spring 2015

- Developed a command line file transfer system for Windows with functions to check for existing files and modification date.
- Incorporated recursive and forced flags for improved functionality.

COURSEWORK PROJECTS

Browser-Based Strategy Game – RadicalQuest

Spring 2016

- Collaborated with a team of three to develop a browser-based multi-player strategy game.
- Laid out major functional and design specifications.
- Implemented server side functions for networking and events such as damage calculation and validity checks.

Relational Database Management System

Spring 2016

- Collaborated with a team of three other people to develop a relational database engine which could parse SQL commands.
- Designed, implemented, and tested nested relational algebra system.

MISCELLANEOUS ACTIVITIES

LINUX SERVER ADMINISTRATOR

Present

- Secure and maintain servers for personal website, hosting, etc.

KAGEROU CO-FOUNDER AND WEB ADMINISTRATOR

2011 – 2015

- Ensured website was up to date, maintained server, and archived work.
- Translated projects and proofread work of other translators, delegated tasks to members and ensured deadlines were met.
- Collaborated with a team of 20 to 30 people to provide translations from Japanese or Chinese to English.

FREELANCE TUTOR

2009 – Present

- Tutor students in Algebra I & II, Geometry, Pre-calculus, Calculus I & II, Chemistry I.
- Manage tutoring schedule in addition to coursework and personal projects.