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Yishun Guan

A young developer.

EDUCATION

B.S. Computer Science
B.A. Linguistics
University of California, San Diego
Expected graduation: *Jan 2018*
Overall GPA *3.57*

SKILLS

– Experience with different **software development cycles** and **version control** tools.
– Experiences in **Java** and **Python**. Familiarity with **C/C++,** and **OCaml.**
– Develop web application with **Apache Tomcat, Spring Framework, Java servlet**.
– Skills with **front-end** website development in **HTML, CSS** and **Javascript(jQuery)**.
– **Unit testing** and **debugging** techniques. Familiar with **UNIX**
– Knowledge with **SQL database** management.
– **Machine learning** in a statistical approach. Knowledge in Natural Language processing(**NLP**).

ACTIVITIES

SD Hacks
2015, 2016
Participant, as an developer.

AI-Master
2016
Contributor/Advisor. One of the co-founding members.

SGS Boardgame Club
2014 – 2015
President and founder of Sanguosha Boardgame Club.

EXPERIENCE

Software Engineering Intern

Perspectium Corp.   JUN 2016 - Present
– Developed a new development tool – **Route Editor**, that enables developers to modify the flow of messages to different application.
– Contributed to an **agile software development cycle**. Worked on **development** stories. Also participated in other tasks like, **Quality Assurance**, **UI improvements**, wiki documentations and mentoring as required.
– Improved a software product – the Message Broker Service(MBS), based on **Apache Tomcat Server, Spring Framework, Java servlet** and **MySQL** database.
– Diagnosed and resolved existing problems in different layers of the architecture, including **securities loopholes**, **message transfer connection issues**, **database querying issues**, etc.

Research Assistant

Department of Political Science, UC San Diego OCT 2015 - Present
– Part of research projects that utilized machine learning on big data to analyze trends on social medias during major events.
– Collected and analyzed posts and comments online for quantitative political science analysis, using web scraping techniques in Python.
– Convert data into different format, customize and label the dataset.

PROJECTS

YstOS- A Tiny Operating System

Assembly, C, Linux   Dec 2016
A tiny operating system project that I am currently working on for x86 architecture. Supports from the very beginning of BIOS all the way to kernels.

Lazyyy – Web Application

HTML, CSS, JavaScript, Jquery, Bootstrap   Oct 2016
A time management application with responsive design that give an estimate leave time to the user to be on time, calculation is based on traffics and user events. Connected to third-party applications like Google Calendar and Uber.

Machine Translation – Research Project

Python, TensorFlow   July 2016
A research project that combines both statistical NLP models with more advanced machine learning techniques, the CNN and LSTM.

2Choose1 – Android app

Java   Jan 2016
An app that recommends two restaurants based on the user's location and preference. Implemented with Google Places API.