

Guohang Yin

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EDUCATION

University of Southern California

Aug 2017 - Jul 2019

Major: Master of Science in Computer Science

- **Overall GPA:** 4.0/4.0
- **Core Courses:** Algorithm, Artificial Intelligence
- **Current Courses:** Machine Learning, Web Technologies

Shanghai Jiao Tong University

Sep 2013 - Jul 2017

Major: Bachelor of Engineering in Software Engineering

- **Overall GPA:** 87.43/100 **Major GPA:** 90.08/100
- **Core Courses:** Programming (Python, C++), Mathematical Logic, Computability Theory, Principle and Technology of Database, Software Engineering, Principle and Technology of Compiler, Operating Systems, Computer Graphics, Computer System Engineering, Distributed System

EXPERIENCE

Morgan Stanley

PGE Transplant and Reconstruction

Jul 2016 - Sep 2016

- Transplanted PGE (Policy Generated Entitlement) Engine to Solaris and refactored PGE library to enable implementation of vms and hlmpus (Entitlement Management Tools) on Solaris
- Deepened understanding of C++ compile and some new characteristic of C++11
- Solved problems caused by different usages of archiver
- *Tools & Techniques:* C++ new characteristics, Premake, Linux makefile grammar, Bash Scripting

PROJECTS

Hybrid Chinese People Name Detection

Dec 2016 - May 2017

- Improved the accuracy of Chinese people name detection to make speech synthesis more expressive
- Understood and implemented the text analysis part of speech synthesis including segmentation, POS tagging, name entity recognition and prosody and polyphone prediction
- Combined segmentation, POS tagging and name detection to make full-context-label more accurate
- *Tools & Techniques:* Python, Linux Command, NLP

Semantic Analysis Website, AISpeech

Feb 2016 - May 2016

- Developed part of server front end of a project to provide a platform for semantics customization
- Designed and compiled some reusable components and interface by utilizing React+Redux framework
- Gained new characteristics of ES6, usage of front end framework, and methods to increase reusability
- *Tools & Techniques:* React+Redux framework(Javascript)

Colorigami

May 2016 - Jun 2016

- Developed a software to customize paper before folding by firstly manipulating virtual paper folding in computer, printing the pdf generated by the software and folding
- Generated model by 3dsmax to get the position information of models
- Designed the format of data files implementing the mapping of paper from 3D to 2D
- Utilized python to generate pdf of pictures generated by data structures of programming
- *Tools & Techniques:* Unity, Python, 3dsmax

ACare - Server of a Game Developed for Autistic Children

Jul 2015

- Implement live video through Intel Real Sense Camera
- Wrote codes of server back end by SSH, designed database and wrote front end of website by jQuery
- *Tools & Techniques:* HTML, Bootstrap, jQuery, Java Web, MongoDB, SSH framework

PROFESSIONAL SKILLS

- Programming: C/C++ / Java / Python / JavaScript
- Website Development: HTML, CSS, JavaScript / jQuery / React + Redux, Java Web SSH / Django
- Web Crawler: Python urllib/scrapy
- Database: MySQL, MongoDB
- Machine Learning

HACKATHON

- Hack x SJTU (First Prize) 2017
Developed an assistant android app to help people reciting things like laws and regulations
- Hack Shanghai (Top 9) 2015
Developed a Chrome plugin to help people identifying the fake goods by analyzing data