

Yingyan Hua *August 14, 1990*

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Objective

A full-time job in the field of Computer Science utilizing skills in designing, coding and testing.

Education

University of California, San Diego

GPA:3.833/4, CALIFORNIA US

Computer Science, Master of Science

Sept.2013 – Mar.2015

Courses: Algorithm Design and Analysis, Operating Systems, Principles of Computer Architecture, Principles of Database Systems, Computer Vision I, Principles of Software Engineering, Advanced Data Structure, Server-side Web Applications, Probabilistic Reason&Learning

Tongji University

GPA:4.57/5, SHANGHAI P.R.CHINA

Computer Science & Technology, Bachelor of Engineering

Sept.2009 – June2013

Honors: National Scholarship(Top 2% in college) 2011&2012

First Prize Scholarship(Top 5% in college) 2011&2012

Work Experience

Twitter, Inc.

SAN FRANCISCO

Software Engineer intern

June2014 – Sept.2014

Participated in Client Engineering team

Android Development and Mobile Automation

Built Contributor Dashboard using JavaScript

Relevant tools: Android Studio, Espresso, JavaScript, AJAX, JQuery

eBay Inc.

SHANGHAI

Quality Engineer intern

July2012 – Dec.2012

Participated in Platform Engineering team

Designed and Wrote automation tests for eBay localization site - L10Nhub

Relevant tools: selenium WebDriver and testNG

Project Experience

Online Shopping and Analytics Website

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Course Project using J2EE and PostgreSQL

Mar.2014 – June2014

An online shopping website using JSP, Hibernate and PostgreSQL

Made optimizations like indexing, temporary table and precomputation to reduce the query time of very large database

System Measurement Project

UNIVERSITY OF CALIFORNIA, SAN DIEGO

OS Course Project

Jan.2014 – Mar.2014

Designed experiments to measure the performance of operating system and underlying hardwares

Implemented parts of the experiments in C and analyzed the result

Computer Vision Projects

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Course Projects using MATLAB

Sep.2013 – Dec.2013

Image warping and merging, photometric stereo and specular removal

Sparse stereo matching using corner detection and SSD match

Dense optimal flow by Lucas-Kanade optical flow algorithm

Skills

Languages & Software: C/C++, JavaScript, Java, MATLAB, PostgreSQL, Python

Technologies: Front-end Web Development, J2EE, Automation Test, Android Development, Computer Vision

Publication

Ying Yan Hua, Jim-Min Lin, Che Wen Chiou, Chiou-Yng Lee, and Yong Huan Liu, "Low space-complexity digit-serial dual basis systolic multiplier over Galois field $GF(2^m)$ using Hankel matrix and Karatsuba algorithm" IET Information Security 7.2(2013): 75-86.