

ZILIANG ZHANG



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SEC 3419, The University of Alabama, Tuscaloosa, AL, 35487

Education:

University of Alabama Ph.D. in progress	UNITED STATES	08/2019-Present
UNIVERSITY OF TEXAS AT DALLAS Master's Degree in software engineering	UNITED STATES	08/2016-05/2018
SUN YAT-SEN UNIVERSITY Bachelor's Degree in software engineering	CHINA	09/2011-06/2015

Professional Experience:

Teaching assistant	08/2020-12/2020 01/2021-04/2021
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- Teaching assistant of CS 495, Capstone Computing
- The main tasks are to help grade students' homework and answer questions.

NSF INCLUDES	Summer 2020
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Tuscaloosa, United States

Research Assistant

- The Alabama Alliance for an Inclusive Middle Grades Computer Science Preparation through Makerspaces in the Alabama Black Belt Region

Laboratory of Information Technology (Sun Yat-Sen University), Ministry of Education	06/2015-06/2016
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Guangzhou, China

Assistant

- Participated in the Smart Museum project in the laboratory, aiming to build a 3D museum for Guangzhou Museum.
- Modeled with Unity 3D and Blender, learned Babylon.JS during the projects.
- Develop software cooperating with companies, mainly using AngularJS.

Neusoft Corporation	06/2014-08/2014
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Dalian, China

Internship

- Learned the SSI framework application
 - Independently completed the framework of a human resource management system
 - Participated in China Mobile's harassing call behavioral analysis and shielding project
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Academic Projects:

Advanced Software Project	09/2017-12/2017
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- Add functions for the CSMC website of UT Dallas.
- Used AngularJS to add activities such as scheduling mentors work, signing up for students, and several other activities needed for the CSMC mentor center.
- Updated the user interface of the website to make it aesthetically appealing and functionally simpler.

Software Testing Project	02/2017-05/2017
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- Used ASM byte-code manipulation framework to build an automated coverage collection tool that can capture the statement coverage for the program under test.
- Applied the tool to 10 real-world Java projects with JUnit tests to collect the statement coverage for its JUnit tests.

Cyberminer Software Architecture

09/2016-11/2016

- Architect a simple KWIC (Key Word in Context) software system and implement it.
- Build a web search engine, Cyberminer, using the KWIC software system.

Student Activities & Experience

Debating Team of School of Software at Sun Yat-Sen University

09/2011-06/2015

- Participated in the group debating with other team members and having debating competitions with other schools.

Volunteer Activity

03/2014-06/2014

- Organized volunteer activities of visiting the welfare houses
- Supported the teaching of primary schools

Student Union

09/2011-06/2012

- Planned various of Welcome Party for freshmen, sports meeting, New Year Dancing Party

Honors and Awards:

Third Prize of Software Innovation Competition

11/2011

Champion of Debating Championship of Sun Yat-Sen University

12/2013