

Shengting Cao

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EDUCATION

The University of Alabama

Jan 2016-May 2019 (expected)

Bachelor of Science in Computer Science

Tuscaloosa, AL

- GPA: 3.78 / 4.0
- Minor: Advertising

SKILL AND INTERESTS

Programming Language: C, C++, Java, JavaScript, HTML, PHP, CSS, SQL, C#, Scam (Lisp/Scheme dialect)

Framework or Tools: MySQL, Git, WebGL, App Engine, Unity, Kinect, Android Studio, XCode, WordPress, Laravel, MariaDB, Ubuntu, Jekyll, Bash

WORK EXPERIENCE

Undergraduate Researcher at Mercedes-Benz U.S. International (Vance, AL)

Jan 2019-Present

- Proposed several Motion Time Measurement methods to increase the car assembly line efficiency
- Developed heuristic approach demo with Unity and Kinect and presented to the manager and engineers

Application Developer at UA ECE Department (Tuscaloosa, AL)

Jan 2019-Present

- Developed an Android (Java) application to get height and waistline information in pixels
- Translated theoretical method to a real mobile application and proposed the new business prospect

Teaching Assistant and Tutor at UA CS Department (Tuscaloosa, AL)

Sep 2018-Present

- Tutored ~100 students in Programming I (C) and Programming II (C++) classes ~20 hours per week
- Helped ~10 students to write pragmatic, well-tested, and understandable code per day

Application Developer at Gongbing Technology (Shenzhen, China)

May 2018-Aug 2018

- Developed and integrated Voice and Facial Recognition into existing software product
- Documented Voice and Facial Recognition APIs for Front-End software engineers

PROJECTS

Interactive 3D Computer Graphics Projects (GitHub Link)

Jan 2019-Present

- Developed application to modeling and animate snowflake, spotlight, TV and environment with WebGL
- Applied the transformation matrix, shading, blending, and texture to the graphics geometry

New Programming Language Design (GitHub Link)

Jan 2019-Mar 2019

- Developed a new general-purpose C-based programming language of my own with C from scratch
- Used my language to solve the sum of sequence number problem and generate Fibonacci numbers

“UAMovie.com” Website (GitHub Link)

Jul 2018-Dec 2018

- Created a role-based movie ticketing web application with PHP and HTML
- Designed the database to achieve dynamic view and secure access control with SQL

Data Structure and Algorithm (GitHub Link)

Jan 2018- May 2018

- Used C in an Object-Oriented style to construct fundamental and advance data structure from scratch

Personal Blog (Link)

Jan 2016-Present

- Built a static blog with Jekyll JavaScript framework and hosted with GitHub server

HONOR

Vice President of The Association of Chinese Students and Scholars, UA

Sep 2016-present

- Hosted events for ~500 people include students, professors, and staff at The University of Alabama
- Built and maintained the organization website (acssua.org)

First prize in the 7th Chinese College Advertising Competition

Masterpiece award of the 13th Chinese College Advertising Campus Competition