

# Sophia Zhuoya Chen

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## OBJECTIVE

An enthusiastic CS major sophomore interested in obtaining a summer internship in a CS related field with a focus on software/webpage/iOS/Android application development

## EDUCATION

Purdue University, West Lafayette	Bachelor of Science in Computer Science	May 2019
University of California, Berkeley	Summer Session	Aug 2015

## SKILLS

**Programming languages:** Python, Java, C, C++, SQL, Scheme, JavaScript, HTML, CSS, Swift, MIPS

**Speaking Languages:** Chinese, English, Spanish, German

## CS PROJECTS

### Enigma

- Built a simulator for a simplified version of Enigma machine that Germany used during World War II to encrypt its military communications. The device consists of a simple mechanical system of interchangeable rotors that sit side-by-side on a shaft and make electrical contact with each other

### Chat Server

- Implemented my own private Chat Server using Session cookie and circular buffer

### Android RPN calculator

- Implemented a simple calculator app for the Android platform

### Maps

- Created a visualization of restaurant ratings using machine learning and the Yelp academic dataset in Python

### The Game of Ants Vs. Some Bees

- Combined functional and object-oriented programming paradigms

## LEADERSHIP

### Member of Student Government

Sept.2012 – June.2015

- Organized and arranged some club events on campus

### Vice president of Student Leaders in class

Sept.2012 – June.2015

- Awarded Best Student Leader

### Leader of Chinese Musical Instrument Club Guzheng Department

Sept.2012 – June.2015

- Performed Guzheng with the whole CMI Club at the 2013 New Year's Eve
- Led and organized Guzheng Performance at Cultural Festival in Anhui Province in China

## EXTRA CURRICULAR

### College:

Aug.2015 – Present

Member of Computer Science Women's Network

Member of Purdue iOS dev club

Member of Purdue Latin & Ballroom Dance Team

- Attended Purdue Dance competition and placed 8th in American Swing
- Attended National Collegiate Dancesport Championship and made it to quarter final in Jive

Oct.24<sup>th</sup> 2015

Nov.21<sup>st</sup> 2015

### Hackthons:

- Started to learn Swift and make iOS application in MHacks 6 at Umich
- Started to make a website using HTML and CSS in HackGT at Georgia Tech
- Continued learning swift and making iOS applications in BoilerMake at Purdue
- Helped make a small iOS game called Trace and did the presentation in Yhack at Yale

Sept.11<sup>th</sup>–13<sup>th</sup> 2015

Sept.25<sup>th</sup>–27<sup>th</sup> 2015

Oct.16<sup>th</sup>–18<sup>th</sup> 2015

Nov.6<sup>th</sup>–8<sup>th</sup> 2015

Link: <http://devpost.com/software/trace-2gxy7>

### High School:

### Library Assistant of Anhui Provincial Library

Sept.2012 – June.2015

- Helped to sort different genres of books and taught new readers to use book-lending machine

### Delegate of Hefei Model United Nations Conference 2013

May.2013

- Composed, revised and passed the draft resolution in the MUNC (Theme: Blood Diamonds in South Africa)
- Awarded Outstanding Delegate

### TED talks subtitles translator

July.2014 – Present

- Translated over 20 TED talks subtitles since 2014 and uploaded translated TED videos to major video websites in China