

# Siwen (Victor) Wang

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## SOFTWARE DEVELOPMENT ENGINEER

### Object-Oriented Methodologies | Database Programming | Solutions Solving, Testing & Optimization

Performance-driven, self-motivated, passionate computer-science student with proven software development and strong analytical skills through relevant projects from education and work experience. Obtained President's Honor List during 2020-2021 Academic year with overall 3.75 GPA. US Citizen.

## SKILLS

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**Programming Experience in:** Python, Java, JavaScript, C++, Kotlin, Swift, NoSQL, SQL

**Familiarity with:** Flask, Git, GitHub, Maven, AWS, SpringBoot, Bootstrap, Heroku

## WORK EXPERIENCE

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**CALSys Lab**, Cal Poly Pomona, Computer Science Department

2021-present

### RESEARCH ASSISTANT

- A Cyber Security related project, led project team to analyze the malicious hacking related dark webs with Machine Learning classifier to predict malicious hacking activities.
- Upgraded web crawler to improve the efficiency of data collecting.
- Redesigned SQL database for better performance.

**MULTICULTURAL RADIO BROADCASTING INC**, PASADENA, CA

2018-2019

### CONTROL ROOM OPERATOR

- Maintained high-quality audio elements for day to day broadcast programs.
- Upgraded file storage management system to enhance production process.
- Recorded, edited, and verified over 300 commercial audio files to ensure program quality and accuracy.

**LA MUSIC TRIBE**, SAN GABRIEL, CA

2017-2018

### AUDIO ENGINEER

- Designed a full audio system and signal path for an 8000 square feet in-door live space; still-in-use today.
- Event coordinator, Front of House engineer, successfully conducted over 40 live events (in-door/out-door).

## PROJECTS

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### GRAPHING CALCULATOR — TWO VERSIONS: C++ WITH SFML / ANDROID APP USING JAVA & KOTLIN

- Implemented all base classes and functions using Shunting Yard and RPN algorithms for calculation. Achieved 100% accuracy of calculation.
- Developed user interface with capabilities such as zooming in/out, moving and switching the graph between Cartesian and Polar coordinate system.

### VI Web

- Developed a personal website containing several apps using popular web framework/techniques, including Python Flask, MongoDB, API, and JSON.
- A new app will be added each month.
- [www.viweb.one](http://www.viweb.one)

## EDUCATION

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### CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA — B.S IN COMPUTER SCIENCE

- President's Honor List during 2020-2021 Academic year (GPA 3.75 / 4.0)
- Graduation date: June 2022

### CITRUS COLLEGE — A.S IN RECORDING TECHNOLOGY