

# Wenchao Wang

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## EDUCATION

### UNIVERSITY OF SOUTHERN CALIFORNIA

BS IN COMPUTER ENGINEERING | MINOR IN APPLIED COMPUTER SECURITY

Viterbi college of engineering | Expected May 2022 | Los Angeles, CA

Cumulative GPA: 3.67

## EXPERIENCE

### ENVISION DIGITAL | SOFTWARE ENGINEERING INTERN

Jun 2019 - Aug 2019

- Work in the IoT platform team, write unit tests for back-end controllers and services with Java Mockito test framework.
- Implement customized Single Sign-on SDK based on Keycloak

### AUTOMATED UNDERWATER VEHICLE CLUB | MEMBER OF EMBEDDED SYSTEMS TEAM

Sep 2018 - Present

- Implement PID control loop in C++ with data feed-in from ROS
- Code brokering Arduino for analogue/digital reading from sensors and data transference via I2C
- Code LCD screen I2C service interface

## PROJECT

### TROJAN MENU DEVELOPER

October 2018 | Los Angeles, CA

- Grab and categorize dining hall menu from school website with web crawler via Python

### SCHEDULER BACK-END DEVELOPER

September - December 2019 | Los Angeles, CA

- Code back-end database operation logic in Java
- Design & build the database with GCP MySQL

### THE THIRD EYE DEVELOPER

February 2020 | Los Angeles, CA

- Obtain the position of the objects with a pre-trained model of object classification and CV2.
- Generate the stereo effect with OpenAL.

## SKILL

### PROGRAMMING LANGUAGES

Over 8000 lines:

C++ • Java • Python •  $\text{\LaTeX}$

Over 4000 lines:

HTML • CSS • C • SQL