

# Zheng-Yuan Chen

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## EDUCATION

**University of California - Davis** — Davis, CA

*Bachelor of Science in Computer Science*

Sept. 2019 – June. 2021 (exp.)

- Computer Science-related courses: Algorithm Design, Computer Architecture, Theory Computation, Web Programming, Applied Data Science
- Mathematics-related courses: Probability, Intro to Abstract Math, Statistical Models for CS

**De Anza College** — Cupertino, CA

*Major in Computer Science*

Jan. 2017 – June. 2019

**National Chung Cheng University** — Chiayi, Taiwan

*Major in Computer Science and Information Engineering*

Sep. 2015 – June. 2016

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## EXPERIENCE

**University of California - Davis** — Davis, CA

*Undergraduate Researcher, Computational Communication Research Lab*

Sep. 2020 – Dec. 2020

Supervisor: Prof. Seth Frey

- Performance testing on pass2act with 10k dataset, and setup baseline BLEU score for future training.
- Researched on Hugging Face transformers for training and fine tuning.
- Perform analysis on the result and visualize using matplotlib and seaborn.

**De Anza College** — Cupertino, CA

*Teaching Assistant, Computer Science Dept*

Dec. 2018 – June. 2019

- Holding weekly office hours for students to get help on assignments, lab, and course concepts.
- Serve as an in-class TA providing immediate assistance to students who have questions.
- Serve as a communication liaison between professor and students.

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## PROJECTS

**University of California** — Davis, CA

*Restaurant Tinder*

Apr. 2020 – June. 2020

- Implemented real time tournaments function with Socket.io for users to vote on restaurants.
- Implemented chat room function using WebSocket.
- Retrieve selected restaurant's recent reviews and details using Yelp api.

**De Anza College** — Cupertino, CA

*Car Configuration Application*

Jan. 2019 – June. 2019

- Constructed a self-healing application able to recover from malfunctioning through customer exception handling.
- Encapsulated data at component level to manage permissions and roles of users through Adapter Design Pattern
- Realized a server-to-client model that enables data transfer wirelessly by socket programming, tomcat servlet, and JSP
- Achieved scalability that handles multiple requests and resource sharing through multi-threading

## EXTRACURRICULAR EXPERIENCE

**Computer Science Club**, De Anza College — Cupertino, CA

*Member*

Feb. 2019 – June 2019

- Operated official social media to customize the experience using data analytics.

**Computer Science Club**, De Anza College — Cupertino, CA

*Member*

Feb. 2019 – June 2019

- Led team in providing artistic design support in cooperation with other departments to maximize innovative output.
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## SKILLS

**Programming Language:** C, C++, Python, Java, R

**Backend:** Flask, RESTful Api

**Frontend:** HTML5, CSS, JavaScript, Express, Node.js

**Database:** PostgreSQL, MySQL, SQLite

**Other:** Git, Excel

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## LANGUAGES

Mandarin (native), Taiwanese (native), English (fluent), Japanese (basic)