

Winson Chen

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EDUCATION

University of California, Santa Cruz

Computer Science, Bachelor of Science

Santa Cruz, CA

Expected June 2022

- GPA: 3.82
- Fall 2021, Spring 2021, Fall 2020 Dean's Honor
- Next Gen. SAM Scholar (Funded by NSF (National Science Foundation))
- Scientific Computing and Applied Mathematics(SciCAM) Master's Program member
- CIDER Pilots In Training Program member

EXPERIENCE

Lab Assistant

University of California, Santa Cruz

August 2021 – Present

Santa Cruz, CA

- Collecting data with by simulating drone controller to create visual language navigation dataset
- Creating toolbox to help help users to find published papers from Association for Computational Linguistics
- Finding best model to fit in the drosophila spatial data

Group Tutor

University of California, Santa Cruz

January 2021 – Present

Santa Cruz, CA

- Helping students with programming, debugging, and data structure
- Providing computer science help include Java, C, C++, and Python

PROJECTS

ACLTool | *Python, Flask, Pandas, HTML, Javascript, BeautifulSoup*

November 2021 – January 2022

- Users can find all the papers that published from ACL Rolling Review for easy access.
- Doing natural language process to find hot topics in Machine Learning in recent months.

IGottaPoo | *React Native*

April 2021 – June 2021

- IGottaPoo is an IOS crowd-sourced app that finds bathroom locations.
- Using the app, the user can easily find a selection of the nearest bathrooms.

C++ ConvolutionNN | *C++*

July 2020 – Present

- This is the C++ version of a self-built convolutional neural network for image processing.
- Finished with Matrix class and layer class and working on the backpropagation of the network currently.

COMMUNITY & LEADERSHIP

Church Leadership Coordinator

Evangelical Formosan Church Orange County

August 2018 – August 2020

Orange County, CA

- Leading worship in the church meeting
- Working as technical support for the church streaming service
- Coordinate events

TECHNICAL SKILLS

Languages: Python, C, C++, Matlab, Java, Swift, Latex

Frameworks: Flask, PostgreSQL, React Native

Developer Tools: Visual Studio Code, Vim, Xcode

Libraries: Pandas, Numpy, Keras, BeautifulSoup