

Doris Wei

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EDUCATION

University of California, Santa Barbara

Santa Barbara, CA

Bachelor of Science in Computer Science, College of Engineering

Expected June 2023

- **GPA:** 3.84 | Deans Honor, All Quarters Offered
- Relevant Coursework: Data Structures Algorithms, Discrete Mathematics, Objected Oriented Programming, Multivariable Calculus, Linear Algebra, Automata Formal Languages, Assembly Language, Computer Organization and Logic Design
- Organizations: Institute of Electrical and Electronics Engineers, Taiwanese American Student Association, Coders SB

RELEVANT EXPERIENCE

Undergraduate Learning Assistant, CMPSC 32

Mar 2021 – Present

University of California, Santa Barbara

Santa Barbara, CA

- Mentor students in C++ and advanced topics in object-oriented computing. Topics include encapsulation, hiding, inheritance, polymorphism, compilation, linking and loading, memory management, and debugging
- Assist students in scheduled lab sections and drop-in lab hours to discover solutions to problems and modeling study strategies
- Review and update weekly lab assignments and homework assignments to ensure coherence and assist with grading

Software Engineer Intern

Jun 2019 – Aug 2019

CMOS Sensor Inc.

Cupertino, CA

- Tested Laser Distance Sensors (LDS) and modules sensors and worked with high volumes of data
- Worked with optical fingerprint sensing technology to check for the accuracy of fingerprint stitching programs
- Created user manuals that covered Raspberry Pi and performances of the Fingerprint Image Sensor

PROJECTS

Discord Bot | Python

Apr 2021 – Mar 2021

- Developed a discord bot for recreational use between friends, primarily interacts with Discord.py
- Implemented 10+ commands, experimenting with several different APIs
- Deployed and hosted the bot using Heroku and Github

To-do List | Ruby, PostgreSQL

Dec 2020 – Jan 2021

- Developed an web application using Ruby on Rails that allows user to track multiple goals on a daily, weekly or monthly basis
- Practiced and experimented with basic SQL protocols (creating tables, rows, insert, lookup, delete)
- Learned how to work with the Model-View-Controller Architecture

Calculator | C++

Mar 2020 – Jun 2020

- Developed a calculator that takes in postfix notation expressions and calculates the expression with the help of stacks, including stack objects from the Standard Template Library

WORK EXPERIENCE

Cashier and Server at Somi Somi

Feb 2019 – Jul 2019

- Worked consistently for 25+ hours a week
- Worked in all entry-level positions, managed orders and maintained customer service in a fast paced environment

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, MIPS Assembly, SQL (Postgres), JavaScript, HTML/CSS, Ruby, Swift, LaTeX

Frameworks: JUnit, WordPress, Ruby on Rails

Developer Tools: Git, GitHub, VS Code, Visual Studio, IntelliJ, Eclipse

Languages: English, Chinese, Korean, Japanese

Microsoft Office Suite: Word, Excel, Powerpoint