

# Jacob Lin

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## Education

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**University of California, San Diego** - B.S. in Computer Science | GPA: 3.944 | *Graduating 2024*

- Courses: Advanced Data Structures and Object Oriented Design, Computer Organization and Systems Programming, Components and Design Techniques for Digital Systems

## Experience

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**CSE Instructional Assistant** - UCSD Jacobs School of Engineering | *September, 2021 - Present*

- Employed by UCSD to help 500+ students build a strong foundation in programming with Python
- Taught students difficult fundamental technical concepts like functions, loops, simple data structures, the call stack, etc. with clear and concise communication
- Diffused confusion and challenged the students by testing and reviewing the coding assignments and communicating improvements clearly to the instructor at staff meetings.

**Bit-Byte Director** - ACM at UCSD | *May, 2021 - Present*

- Directed a mentee-mentor program with 100+ participants with a focus on helping students create a network by building lasting social relationships even through the pandemic
- Developed the ACM at UCSD community of 1000+ members by hosting engaging social events
- Created tools and documented events to streamline the program and help future Directors

## Projects

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### [uwu-wegistew](#)

- Developed and designed the frontend of the website using React.js, Javascript, HTML, and CSS to create intuitive and necessary components giving the website a clean and concise finished look
- Collected and analyzed data from a survey 40+ participants, supplemented with online data

### Hobbies Inc.

- Hosted 200+ forums for hobbies by building an interactive frontend using React.js
- Built the home page that displayed the hobbies in a list style using a custom component

## Activities

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**Peer Listener** - Temple City High School | *November, 2018 - June, 2020*

- Selected of 300 applicants to be trained in important coaching communication skills
- Helped improve students' mental health by facilitating group sessions with 10 - 20 people
- Organized Positive Post-it week where 1,000+ positive messages were put up around campus

## Skills

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**Languages:** Java, Python, C, JavaScript, HTML, CSS, R, SystemVerilog

**Technologies/Tools:** Unix/Linux, React.js, Node.js, Express, Git, VSCode, Vim, GDB, Modelsim, Quartus