

# Kendall Nakai

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## Education

University of California San Diego, B.S Computer Engineering

June 2022

## Experience

iD Tech, Technology Instructor

May 2019 - August 2019

- Taught Java programming fundamentals, OOP, debugging, and graphical user interface for app creation
- Introduced Adobe Creative Suite of video editing, illustration layout, sound design, and motion graphics

UCSD Talke Research Lab, Research Assistant

March 2019 - Present

- Create a MatLab user interface to control video camera imaging settings and exhibit numerical readout
- Improve biomedical data examination efficiency of deflection in esophageal tubing through automation

The Boeing Company, Engineering Intern

June 2017 - August 2017

- Designed a comprehensive satellite mission and associated NX vehicle CAD model with a team of three
- Generated top-level electrical power system diagram, bill of materials, power budget, and risk analysis
- Voted by Boeing employees as the best aerospace project and most visionary intern out of 72 interns

## Skills

**Programming Languages and Technologies:** HTML, CSS, JavaScript, Java, C++, MatLab, React

**Design Technologies:** Figma, Adobe Creative Suite (Xd, Ps, Lr, Ai, Ae), Affinity by Serif Suite

## Projects

FIRST Robotics Competition, Engineer and Mentor

September 2014 - Present

- Designed, prototyped, wired, programmed, and manufactured four competitive robots with a team of 20
- Developed Java code to automate robot movement, climb a rope, launch and deliver objects
- Placed as the 3rd seed alliance captain out of 62 teams at the Los Angeles Regional competition

Interactive Streamline Game

March 2019

- Developed a multi-level interactive strategy game with ability to load from specific saved game states
- Created backend logic and data structure and designed JavaFX graphical user interface game elements

YouTube Clone

August 2019

- Self-taught JavaScript then developed a YouTube API web application clone using React and Material UI

## Leadership

ACM UCSD, Founding Vice-President

April 2019 - Present

- Establishing a student chapter of the world's largest computing society to create a developer community

IEEE UCSD, Professional Chair

January 2019 - Present

- Executing professional development and engineering industry networking events for 1500+ students

## Interests

**Tennis:** Lead a team of 20+ as Captain for 2 years, played 4 years of Varsity, coached lessons to ages 5 - 65

**Art:** Photographed and edited 50+ shoots for events, filmed and edited 40+ videos for school broadcast

**Volunteering:** Girl Scout Gold Awardee, Key Club President, hosted 40+ service events, raised \$15,000+ for community activities, made 120+ blankets and collected 200+ pairs of jeans for the homeless shelter