

# Kevin Kang

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## EDUCATION

### University of California, San Diego

*Bachelor of Science in Computer Engineering*

**GPA: 3.87**

*Expected Jun 2024*

### University of California, Santa Cruz

*Major in Computer Engineering*

*Oct 2020 - Jun 2022*

- **Relevant Coursework:** Data Structures, Algorithms, Computer Architecture, Python Programming Abstractions
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## WORK EXPERIENCE

### Machyna

San Diego, CA

*Software Engineer Intern*

*Jun 2022 – Present*

- Researching machine learning ideas to aid the autonomous retail and cashierless technology industry
- Developed a backtesting script using Python to simulate shopping cart behavior with retroactive data
- Used C++ and Python to perform analysis and data visualization, which produced 16 key data sets
- Developed a state machine algorithm that links with the computer vision system for sensor fusion

### DiamondStream Partners

Seattle, WA (Remote)

*Product Manager Intern*

*Jun 2022 – Present*

- Rearchitected client relationship management using Airtable to encompass investment and deal needs
- Initiated UI changes to workflow processes and designed a relational database architecture
- Gathered user experiences directly with CEO that led to a company-wide usage of the product

### Tech4Good Lab

Santa Cruz, CA

*Undergraduate Research Assistant: Front End Developer*

*Mar 2022 – Jun 2022*

- Led a webpage redesign and developed front-end components of a web application with the Angular/NgRx/Firebase stack using HTML, SCSS, and TypeScript

### UCSC Baskin School of Engineering

Santa Cruz, CA

*Computer Science and Engineering Tutor*

*Apr 2022 – Jun 2022*

- Supervised Computer Systems & Assembly Language labs and helped debug RISC-V programs
  - Emphasized the basics of concepts in data structures, digital logic, and computer architecture
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## PROJECTS

### Wordle Clone – [github](#) and Solver – [github](#)

- Recreated the UI and functionality of [Wordle](#) on a React framework using JavaScript and HTML/CSS
- Implemented a heuristic technique in C to search for optimal guesses from a bank of 12,000+ words

### Simple Database – [github](#)

- Implemented a simple database system with create, read, update, and delete operations using C

### BoxCharge: device for distraction-free driving

- Utilized C++ to implement a distraction detection algorithm that communicates data via Bluetooth
  - Soldered wireless charger components to the microcontroller system
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## TECHNICAL SKILLS

**Languages & Technologies: (Proficient)** C, C++, Python, HTML/CSS, Git, Unix, Airtable

**(Prior Experience)** Java, JavaScript, ReactJS, TypeScript, Angular, Node.js