# Harrison Cooper

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## Education

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| **University of California, Riverside** | Sep. 2020 - June 2024 |

B.S. in Computer Science
- GPA: 3.7 / 4.0
- Vice Chair of IEEE (Institute of Electrical and Electronics Engineers)

## Experience

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| **UCR Academic Resource Center** | Sep. 2022 - June 2024 |
| Tutor | Riverside, CA |

- 15 hours per week I would tutor students in topics such as data structures & algorithms.
- Helped hundreds of students pass their STEM courses through 1 hour tutoring sessions.

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| Air-Analysis | Sep. 2023 - March 2024 |

- 20-week capstone project following SWE methodology where my group created a website to improve real people's access to air quality information.
- Implemented graphs and tables for data visualizations using Python.
- Used SQL as our database which was populated with regular API calls to the sensors.

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| WebMart | Dec. 2022 - March 2023 |

- Group project where we developed a website allowing users to list and purchase items.
- Developed using JavaScript, HTML, CSS, and MongoDB for the server.

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| Professional Website | May 2024 |

- Portfolio I created from scratch to showcase my projects and accomplishments.
- Developed using html/css with ReactJS as the framework.
- Deployed on GitHub pages at https://harry64c.github.io/harrison-cooper-portfolio/

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| Sustainability-Bot | Nov. 2022 |

- 12 hour Hackathon project in which we created a discord bot themed around sustainability.
- Used Python to code the bot and implemented functionality with a discord API.

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| Amazon-Warehouse | Feb. 2024 - March 2024 |

- DBMS course project where I created a knockoff Amazon website with a teammate.
- Used PostgreSQL to manage the supply logistics and Java for the user interface.

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| AI Feature Selection | May 2024 - June 2024 |

- Created a greedy-search algorithm that uses Machine Learning to determine which features will provide the most accuracy when classifying a given dataset.
- Used Python libraries to assist with computing accuracy in n-dimensional space.

## Technical Skills

**Programming Languages:** C/C++, Python, Java, JavaScript
**Web Development:** Html/css, Node.js, Express.js, React
**Database Administration:** MongoDB, SQL