

**Jorge Martinez Diaz**

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## EDUCATION

**California State University, East Bay**

*BS in Computer Science,*

*BS in Biochemistry*

**Hayward, CA**

*Graduation Date: May, 2024*

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## SKILLS

**Languages:** English (fluent) | Spanish (fluent)

**Programming:** C++ | Java | Python | PHP | R | MIPS | HTML | CSS | JavaScript

**Software:** Microsoft Office | Git | GitHub

**Laboratory Techniques:** Chromatography | Gel Electrophoresis | SDS-PAGE | HPLC

**Data Analysis:** Statistical Analysis | Data Modeling | Python-based Data Analysis

**Instrumentation:** Mass Spectrometry | NMR | Microscopy | Centrifugation

**Biochemical Assays:** Enzyme Kinetics | Protein Purification | Molecular Biology Techniques

**Data Analysis Software:** Python | R

**Laboratory Safety:** Hazardous Materials Handling | Waste Disposal | Equipment Sterilization

**Teamwork and Collaboration:** Effective Communication | Collaboration | Group Project Contribution

**Problem-Solving:** Troubleshooting | Critical Thinking | Creative Solutions

**Written and Oral Communication:** Presentations | Scientific Writing | Reports

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## RELEVANT COURSES

**Data Structures & Algorithms:** Developed efficient algorithms and implemented data structures in C++.

**Computer Networks:** Explored networking protocols and designed a client-server application using Java sockets.

**Computer Architecture:** Studied CPU architectures and simulated a MIPS processor.

**Analysis of Algorithms:** Analyzed time and space complexity of algorithms and implemented them in Python.

**Website Development:** Created dynamic websites using HTML, CSS, and JavaScript.

**Physics for Scientists II:** Conducted experiments, collected and analyzed data using statistical analysis in Python.

**Organic Chemistry:** Performed organic synthesis reactions and characterized compounds using spectroscopy techniques.

**Cell & Molecular Biology:** Studied cellular processes, performed DNA extraction, and analyzed gene expression.

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## PROJECTS

**Portfolio Website:** Developed and designed a personal portfolio website to showcase my projects and skills.

*Link:* [Portfolio \(jorgemartinez.github.io\)](https://jorgemartinez.github.io)

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## WORK EXPERIENCE

**Code With Us**

*Coding Instructor*

**Campbell, CA**

*July 2019 - Present*

- Instructed students in Python, Scratch, Java, HTML, CSS, and JavaScript.
- Developed curriculum and engaging programming projects.
- Mentored and supported students in project development.

**Santa Cruz Seaside Company**

*Cook*

**Santa Cruz, CA**

*June 2012 - June 2018*

- Prepared meals for 50+ customers daily, ensuring quality and timely service.
- Managed inventory, maintained cleanliness, and upheld food safety standards.