

# JONATHAN ZAMORA

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## EDUCATION

### GROSSMONT COLLEGE

San Diego, CA  
August 2018 - Present

A.S.-T in Computer Science, Mathematics, and Physics

| **Major GPA: 4.00 / 4.00** | **Cumulative GPA: 3.985 / 4.00** |

Relevant Coursework: Intermediate Java and Data Structures, Intermediate C++ Programming, Linear Algebra, Multivariable Calculus, Assembly Language & Machine Architecture, Discrete Structures, Intro to SQL, Modern Physics

### REDWOOD HIGH SCHOOL

Visalia, CA  
August 2014 - May 2018

**President** - Future Business Leaders of America, Digital Media, and Computer Science Organization  
**2x Top 10 National Champion in Technology Events** - **5th in Database Design and Applications (2018)**, **8th in Computer Applications (2017)**  
**2x CA FBLA State Champion in Technology Events** *Database Design and Applications (2018)*, *Spreadsheet Applications (2018)*

## COMPUTER SCIENCE EXPERIENCE

**Computer Science and Engineering Department | University of California, San Diego**

**Undergraduate Computer Science Researcher, Google ExploreCSR** January 2020 - Present

- Develop Machine Learning solutions for Epileptic Seizure Detection through Logistic Regression & Neural Networks
- Present a professional poster-board at a CSE Research Symposium with detailed research findings
- Develop strong relationships with CSE professionals from Google and a Ph.D. Mentor

**Computer Science Organization | Grossmont College**

San Diego, CA  
August 2018 - December 2019

**President**

- Delivered workshops to **70+** members in topics such as ML / AI, Data Science, and iOS + Web Development.
- Worked with Executive Board to arrange professional, technical, and networking opportunities for members

## PROJECTS

- Chess AI Game [Implemented in C++, Utilized Minimax algorithm for Opponent AI, 3 difficulty levels]
- iOS Development [Augmented Reality Video Playback, Image Classifier with Machine Learning]

## WORK EXPERIENCE

**Grossmont Computer Science/Information Systems Lab**

San Diego, CA  
August 2019 - Present

**Computer Science Tutor**

- Assist students in the Grossmont CSIS Lab through my knowledge of programming
- Develop Computer Science and Engineering projects with students
- Current knowledge consists of Java, C++, and Python

**theCoderSchool North San Diego Code Coach**

April 2019 - May 2019

- Taught and Mentored Children (Ages 7-13) how to Code utilizing the MIT Scratch and Python programming languages

## SKILLS

**Technical:** Java, C++, Python, C, SQL, iOS Development [Swift, Firebase, ARKit, CoreML, CreateML], Web Development [HTML, CSS, JavaScript, Bootstrap, React.js, Node.js]

**Platforms:** IntelliJ IDEA, Atom, Terminal, Xcode, Microsoft Excel, and Microsoft Access.

**Language:** Spanish (Native Speaking, Reading, Writing, and Comprehension abilities)

**Certifications:** Intermediate Python for Data Science, Programming Foundations: Object-Oriented Design & Algorithms

**Tech Certifications:** Microsoft Office Specialist in Access 2013, Excel 2013, Word 2013, and Powerpoint 2013. Internet Core Computing Certification Global Standard 5. Physics with Technology.