

Miami Beach, FL

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Gina Somara

<https://github.com/GinaSomara>

ginasomara-portfolio.herokuapp.com

EDUCATION

San Francisco State University

Summer 2020 – Current

- *Major:* Computer Science w/ *Minor* in Mathematics (SFSU GPA: 4.0 & estimated graduation May 2023)
- *Programming Coursework:* Machine Structures, Programming Methodology, Data Structures, Software Development
- *Mathematics Coursework:* Calculus I, II, III, Linear Algebra, Discrete Mathematics, Differential Equations

EMPLOYMENT

Artificial Intelligence STAARS - *Mentor*

July 2021 - Current

- Mentored 5+ students through AI scholarship program coursework to improve academic achievement, retention, and career success
- Organized coding projects to enhance and establish a basic understanding of AI
- Leveraged Knowledge in organizing and teaching AI-based Java and C++ OOP projects

Tutoring Rocks – *STEM Tutor*

August 2019 - January 2020

- Tutored 10 high school students in all levels of Mathematics, Computer Science, Physics, Chemistry and Biology, helping raise their GPA by an average of 25% over the Fall semester
- Leveraged Knowledge in deconstructing difficult STEM subjects for comprehension and information retainability

United States Air Force - *Aerospace Propulsion Journeyman*

November 2014 - June 2018

- Maintained and rebuilt A10 turbofan engines consisting of 10k+ components and optimized engine part swap program totaling \$1.5M
- Oversaw jet engine equipment program consisting of 3k+ tools totaling \$3M+ in assets
- Spearheaded Squadron wellness/fitness program for 75 troops improving physical testing score pass rate by 18%
- Co-led Japan's largest Special Olympics hosting 1k+ athletes and 10k+ attendees improving relations with Japan
- Leveraged Knowledge in trained leadership, mass organization, interpersonal communication, and crucial detail-orientation

SOFTWARE PROJECTS

Personal Website: ginasomara-portfolio.herokuapp.com (for additional information and projects)

My Portfolio

- Designed and developed an interactive portfolio to showcase my coding projects and other work in further detail
- Incorporated UI course knowledge for a clean and smooth, interactive interface
- Enhanced with Handlebars to emphasize code reusability and organization
- Utilized: JavaScript, CSS, HTML, Heroku, NodeJS, Handlebars, GIT

Tank Wars

- Implemented a Model View Controller based shooter game on top of UI code in order to focus on scalability and extensibility
- Created a Game Grid hidden from the UI to ensure movement and collision handling maximum efficiency
- Designed a Collision Handling Interface hierarchy drastically improving upon the time complexity of Entity collision handling
- Utilized: Java, GIT

Python Interpreter/Testing

- Built an Interpreter to read and transform basic Python code into Statement and Expression objects for versatile project structure
- Utilized a Parser Class to effectively break down Python code from text files in order to achieve superimposed organization
- Implemented Unit Testing to cover any possible errors within the polymorphic system
- Utilized: Java, Hamcrest Library, GIT

SKILLS

Software: (*proficient*) – Java, HTML/CSS, C++, Git (*familiar*) – JavaScript, Python, NodeJS

Technical: (*proficient*) – Data Structures, Software Development, Blockchain, OOP (*familiar*) Web Development, AI

Soft: Organization, Interpersonal Communication, Leadership, Basic Japanese