

Gina Somara

<https://github.com/GinaSomara>ginasomara-portfolio.herokuapp.com

EDUCATION

San Francisco, Ca

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 breaking down difficult STEM subjects for comprehension and information retainability

United States Air Force - Aerospace Propulsion Journeyman

November 2014 - June 2018

- Maintained and rebuilt A10 turboprop 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
- Designed with Handlebars to help understanding and efficiency of code reusability
- Utilized: JavaScript, CSS, HTML, Heroku, NodeJS, Handlebars, GIT

Dictionary

- Inspired by a sorting project in my Data Structures class, project's purpose was to further familiarize myself with MultiMap from Google Guava
- Created own sorting algorithm for user-specified input by implementing a streamlined sorting process
- Utilized and experimented with an ENUM class and its capabilities
- Utilized: Java, Google Guava, GIT

Data Structures & Pointers

- Developed a Java program to understand the underlying implementations of Linked Lists, Queues, and Stack
- Java program re-coded in 2 separate C++ versions, smart pointer version and raw pointer version, to investigate how both raw and smart pointers operate in C++ and to compare C++ pointers to Java's utilization of user-hidden (leaky) pointers
- Utilized: Java, C++ (smart and raw pointers), 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