

# Gregory Jueves Mayo

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## Education

**San Jose State University, San Jose**

**expected May 2020**

**B. S. Software Engineering**

Coursework: Data Structures and Algorithm, Computer Organization and Architecture, Software Engineering I

**Diablo Valley College, Pleasant Hill**

**A.A. Computer Science**

**May 2018**

Coursework: Programming Design and Data Structure, Assembly Language Programming, Programming With Java, Advanced Programming With C and C++

## Technical Skill

- Programming Language: C, C++, Java, Swift
- Web development: HTML, CSS, JavaScript
- Miscellaneous: Vue.js, BootStrap, jQuery, Git, Github, Gitlab
- Experienced in using IDE (Code Blocks, XCode, Eclipse) and working in Linux, Windows, AWS

## Working Experiences

**Menos, Inc.**

**January 2019 - Present**

***Software Engineering Intern***

- Modifying the emailing system based on the file upload using a drag and drop method
- Built and contributed to the web application company, which developed new features such as implement translation that allows users to change the page into another language.

**Diablo Valley College - Computer Center**

**January 2017 - May 2018**

***Computer Lab Assistant***

***Pleasant Hill, CA***

- Advanced the time sheet by creating a time entry program using C++, saving an average \$1000 per month
- Trusted to be a teaching assistant in Advanced Programming With C and C++ class, and resolved many students problems
- Provided technical assistance for computer science classes such as Data Structures and Algorithm, Object Oriented, and Programming with C, C++, and Java

## Project

**Google Search Engine 2.0**

- Upgraded the first search engine by developing the red-black tree data structures
- Allowed the users to search and delete a specific URL by entering the page score or the PageRank

**Google Search Engine**

- Programmed a search engine that produces thirty URLs based on the keyword and sort by the highest PageRank
- Implemented a web crawler that allows users to enter a keyword and get the URLs
- Modified the page score generator and made binary search tree functions to insert and delete a page score

**Page Rank Simulator**

- Developed heap data structures that allow users to change or insert a page score to the specific URL
- Implemented Heap Sort and priority queue to sort and show the URLs based on the highest page score

## Leadership Experience

***President of Student Council, SMAK St. Louis 1 Surabaya, Indonesia***

**August 2014 - August 2015**

- Successfully organized 1400 students to support the basketball team in the final region league
- Executed profitable internal and external events with the success of increasing the participants by strengthening the advertisement

## Organization Experience

***Member of Logic and Analysis Club, Diablo Valley College***

**September 2016 - May 2017**

- Collaborated with other members to solve real-world problems using a logical and mathematical approach such as how to improve the economy in Jakarta, Indonesia, etc.