# Gregory Jueves Mayo

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## Education

**San Jose State University, San Jose**                          **Expected** May 2020

**B. S. Software Engineering**                                                **(GPA: 3.34/4.0)**

Coursework: Data Structures and Algorithm, Computer Organization and Architecture, Software Engineering I, Web Development, Information Security, Operating System, Professional iOS

**Diablo Valley College, Pleasant Hill**                                    May 2018

**A.S. Computer Science**                                                     **(GPA: 3.55/4.0)**

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

Activities: Member of Logic & Analysis Club, Member of Earth Club

## Technical Skill

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

## Working Experiences

**Menos, Inc.**                                                     January 2019 - February 2019

*Software Engineering Intern*                                                   *San Jose, CA*

- Modified the emailing system based on the file upload using a drag and drop method.
- Built and contributed to the company's web application. Developed new features such as page 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*

- Built a brand new time entry program using C++, saving an average of $1000 per month.
- Trusted to be a teaching assistant in the Advanced Programming With C and C++ class. Helped students with questions regarding the class' material.
- Provided technical assistance for computer science classes such as Data Structures and Algorithm, Object Oriented Programming, and Programming with C, C++, and Java.

## Project

**Google Search Engine 2.0**

- Upgraded the first search engine by implementing red-black tree data structures to reduce computation time.
- 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 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.

**Tip Calculator**

- Built an iOS app that calculates the tip and split the bill, intended for use in restaurants.
- Developed using XCode with Swift as the programming language.

## 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 region's finals.
- Organized profitable internal and external events. Increased the total number of participants by strengthening the advertisement.