

# Min Aung Paing

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[mgmap.github.io](https://mgmap.github.io)

## EXPERIENCE

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### Software Engineer, Robotics Team PCC, Mate ROV Competition

August 2023 - Present

- Contributing to the team in building a float using a buoyancy engine utilizing Arduino and hands-on engineering knowledge while effectively communicating with the team members
- Built a radio data transmission system from scratch and implemented a state machine for the float to function properly minimizing errors
- Building an underwater rover from scratch using Arduino, designing components, and programming it to be able to navigate underwater using pygame Gui, Python, and Arduino
- Implemented a double claw system ensuring better mobility and functionality of the rover for more delicate tasks

### Writing/Math/CS Tutor, Writing Success Center

August 2022 - Present

- Helped over 200 students with writing Academic articles, essays, and journals to become independent writers
- Assisting students who need help with Math and Computer Science by explaining algorithms and concepts

## TECHNICAL SKILLS

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**Proficient** - C++, Java, Python, Arduino, HTML, CSS, JavaScript

**Intermediate** - Node.js, React, Git, GitHub

## PROJECTS

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**Flappy Bird Clone** - C++ programming using object-oriented programming, RPN, Shunting Yard, and SFML graphics. It replicates the classic game play mechanics of the original game, including bird movement, obstacle generation, collision detection and score tracking.

(<https://github.com/MgMap/Flappy-Bird>)

**Payroll Manager** - C++ Programming using data structures such as mapping, n-ary trees, priority queues, and graphs with data entry, storage, and search algorithms. Features include employee management; users can add, remove and update the employee information easily and each administrator has an account protecting their data. The graphical user interface built with SFML ensures a smooth user experience.

(<https://github.com/MgMap/PayRoll-Manager>)

## EDUCATION

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### Pasadena City College

June 2024

*Associate of Science, Engineering & Technology*

- Transferring to a 4-year university in Fall 2024 majoring in Computer Science & graduating in 2026

## ACCOMPLISHMENTS

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- National Math Olympiad Myanmar Top 10 finalist
- William Millar Scholarship Recipient
- 4.0 GPA - Dean's List for 5 consecutive semesters

## CERTIFICATIONS

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- Basic computer hardware and software A+, KMD-2019
- Basic software engineering, KMD - 2020
- CRLA- International Tutor Training Program Certification

## LEADERSHIP EXPERIENCE

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IPL Program, Pasadena CA - International Peer Mentor

August 2023 - Present

Burmese Club, Pasadena CA - Secretary

August 2023 - Present

UM 1 Public Speaking Club, Yangon, Myanmar - Coordinator and Moderator

October 2020 - December 2020