JOSEPH MACAM

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EDUCATION

California State University Chico
B.S. in Computer Science

📅 Graduation: December 2021

- **Status**: Senior **GPA**: 3.643
- **Dean's Honor List - Fall 2020**

Palomar College
A.S. in University Studies - Math and Science

📅 Graduation: 2017

Palomar College
A.S. in General Studies - Science and Mathematics

📅 Graduation: 2017

WORK EXPERIENCE

Instructional Student Assistant/Volunteer
California State University Chico

📅 01/2019 - Present

- Assist students in the CSCI 111 course in debugging their assignments & demonstrating debugging methods in C++. Tutor introductory programming fundamentals with students in C++, such as pass-by-reference vs. pass-by-value and variable scope and object-oriented programming.

Computer Science Department Tutor
California State University Chico

📅 08/2021 - Present

- Tutor and assist students in a variety of Computer Science courses such as Web Programming Fundamentals, Algorithms and Data Structures, Compilers, and Intro to Computer Networks

Back of House Shift Lead
Epic Wings

📅 05/2013 - 08/2018

- Supervised kitchen staff and food quality
- Trained new back of house employees
- Receive and inventory supply truck deliveries
- Handled customer inquiries related to food preparation

CLUBS & ORGANIZATIONS

- **Upsilon Pi Epsilon Honor Society** - Chico State Chapter
  - **Officer (Secretary)**
- **Usr0** - Chico State Computer Security Club
- **ACM** - Chico State Chapter
- **ACM-W** - Chico State Chapter
- **Phi Theta Kappa Honor Society** - Palomar College Chapter

PROJECTS

Gunpla Station
Web Development Project

📅 06/2021 - 07/2021

A website that allows users to create a profile for managing Gundam Plastic Model Kit (Gunpla) projects and for socializing with fellow Gunpla hobbyists.
- Developed with Django (backend) and Foundation 6 (frontend)
- Technology Stack: Django, Foundation 6, Python, HTML, CSS, Google Cloud Platform

FamNet
Software Engineering Group Project

📅 01/2020 - 05/2020

A social media mobile app catered towards families.
- Role: Flutter Developer/Scrum Master
- Languages: Dart
- Developed for Android using Flutter
- Utilizes Google Firebase
- Development utilized Agile software development practices such as a Kanban board, Scrum meetings, and Sprints

Wumpus World
Artificial Intelligence project

📅 08/2019 - 12/2019

A logical agent program to solve a Wumpus World problem.
- Languages: C++
- Utilized knowledge base matrices and propositional logic rules

SKILLS

- Over 3 years of **C++** and **Python** experience through coursework
- Gold Bracket (Top 15%) in **National Cyber League Fall Season 2020 Preseason**
- **Agile practices** through Software Engineering course, including Scrums, Sprints, User Stories, and Kanban Board
- **Unit testing** with Travis CI and Coveralls through Software Engineering coursework
- **Shared-memory and Direct-memory Parallel programming** with OpenMP, POSIX Threads, and MPI.
- Strong leadership skills with experience training/teaching others
- **Programming Languages**: C and C++, Python, SQL, Java, Bash, R