

# Michael (Micky) Mangrobang

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## EDUCATION

### Bachelor of Science, Computer Science

University of Hawai'i at Mānoa

Spring 2018 (Expected)

Honolulu, Hawai'i

- Courses: Discrete Mathematics I & II, Program Structure, Software Engineering I & II, Algorithms, Data Storage & Retrieval, Logic Design & Microprocessors, Design for Mobile Devices, Computing Ethics for Lab Assistants, Independent Study

### Associate of Arts, Liberal Arts

Kaua'i Community College

May 2014

Līhu'e, Hawai'i

## EXPERIENCE

### Teaching Assistant

University of Hawai'i at Mānoa ICS Department

August 2016 – Present

Honolulu, Hawai'i

- Conducted 75-minute lab sessions twice a week, teaching the use of various software including Microsoft Office, SSH and Adobe Dreamweaver
- Developed full lesson plans including class format and material for each lab session
- Handled student grades including grading homework, quizzes and overall course grade

### IT Intern

County of Kaua'i – Information Technology Department

June 2016 – July 2016

Līhu'e, Hawai'i

- Handled technical calls weekly including from repairing and replacing computer parts to troubleshoot problems
- Built and deployed new shipment of computers for county employees

### Assistant Teaching Assistant

University of Hawai'i at Mānoa ICS Department

January 2016 – May 2016

Honolulu, Hawai'i

- Supported a lab session twice a week helping the teaching assistant throughout their lesson
- Conducted a week's worth of lab using self-developed lesson plans including class format and material

### Fire Intern

County of Kaua'i – Fire Department

June 2015 – July 2015

Līhu'e, Hawai'i

- Database management using DBMS software
- Created and digitized new forms using a variety of software

## SKILLS

### Languages & Frameworks

- Proficient in C++, C, C#, Java, JavaScript, HTML, CSS
- Competent in Python, SQL, PHP, Semantic UI, Bootstrap, Meteor, MongoDB

### Toolsets & Operating Systems

- Proficient in Windows, Linux (Ubuntu), UNIX (Secure Shell), Git/GitHub
- Competent in Adobe Dreamweaver, IntelliJ IDEA, Eclipse

## AWARDS & PROJECTS

### Playto (Unity Game)

ICS 485 – Video Game Design Project

October 2017 – Present

dreamingbento.wordpress.com

- A 2D puzzle/platformer video game about a Play-Doh named, Plato, looking to find happiness.

### Alloy (Web Application)

ICS 499 – Independent Study Project

January 2017 – May 2017

alloyteams.github.io

- An application that connects UH faculty and students through their skills to collaborate on a project.

### Moar Chow (Web Application)

ICS 314 – Software Engineering Project

October 2016 – December 2016

moarchow.github.io

- An application that maps out food vendors & their menus on the UHM campus for UH faculty & students.

**Certificate of Achievement – 4th Place****November 2016***ACM International Collegiate Programming Contest**Laie, Hawai'i*

- My team and I participated in the ACM ICP Contest, sponsored by IBM, using C++, and got placed in 4<sup>th</sup>.

**ACTIVITIES****Active General Member****September 2017 – Present***The ICS Grey Hats**greyhats.club*

- Active member for The ICS Grey Hats, regularly participating in Grey Hats hosted events.

**Active General Member****November 2016 – Present***Association for Computing Machinery UHM Student Chapter**acmanoa.github.io*

- Active member for ACM UHM Student Chapter, regularly participating in ACM hosted events.