

# Clyde James Felix

## Contact

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## Professional Profile

I am an MS in Electrical Engineering student with extensive competencies in problem-solving, computer programming, leading & teaching, and research & development gained through academic projects, undergraduate research & teaching assistantships, summer research experiences, and engineer internship. I am seeking to leverage my knowledge, skills, and passion for Engineering to contribute to your projects.

## Education

**Master of Science**  
Electrical Engineering  
University of Hawaii at Manoa,  
August/2020 - Present

**Bachelor of Science**  
Electrical Engineering  
University of Hawaii at Manoa  
GPA: 3.45/4.0, MGPA: 3.58/4.0  
August/2016 - May/2020

## Skills

**Computer:**  
LINUX/UNIX, Python, Matlab, C/C++, PCB,  
CAD, HTML/CSS, Git, LaTeX, Visual Studio

**Professional:**  
Technical Documentation,  
Teamwork, Leadership,  
Teaching/Mentoring, Data Modeling,  
Electrical Circuits

## Activities & Awards

**IEEE Student Hawaii Branch**  
**Executive officer**  
January/2019 - Present

**Engineer's Council UH**  
**Executive officer**  
August/2018 - January/2019

**2019-2020 Medical Innovation and Design**  
**(MIND) competition**

**2019-2020 Hawaii Annual Code Challenge**  
**(HACC) Hackathon**

**Dean's List, College of Engineering:**  
Fall 2016, Fall 2019:

## Work Experiences

### SOFTWARE ENGINEER INTERN

*Alohapay Inc.* | March/2020 - May/2020

Perform as a Software Engineer intern/trainee and Lead Quality Assurance tester, including the development of react-native for Android/iOS devices, NodeJS backend applications, and python applications.

- Responsible for Product Documentation in Mobile app development.
- Developed an automated mobile testing Python script using Selenium.

### UNDERGRADUATE TEACHING ASSISTANT

*UH Manoa Department of Electrical Engineering* | January/2020 - Present

Served as a Teaching Assistant for EE 345, Linear Algebra & Machine Learning, for 10+ 3rd and 4th year engineering students.

- Taught students Python programming and course materials.

### UNDERGRADUATE RESEARCH ASSISTANT

*UH Manoa Department of Physics & Astronomy* | May/2019 - Present

Assisted the study of developing an efficient neutron detector.

- Responsible for constructing experimental Neutron detectors and data collections using radioactive sources.
- Created an easy-to-access Python program that analyzes voltage waveforms due to elementary particles.

### UNDERGRADUATE RESEARCH ASSISTANT

*UH Manoa Department of Mathematics* | June/2019 - August/2019

Summer research work on Automatic Complexities, VC-dimensions, and the Fibonacci/Tribonacci sequences.

- Collaborated with undergraduate students using Python programming.
- Contributed to an ISAIM conference paper and UROP presentations for the theoretical findings.

### EXCHANGE STUDENT RESEARCHER

*Tokyo University of Agriculture & Technology* | July/2019 - August/2019

Participated in a Japan Summer Exchange Program to perform research in the engineering field.

- Developed a Brain-Computer Interface Machine Learning model using MATLAB to classify brain wave-forms whether the user is at rest or in a Motor Imagery task.
- Successfully determined a better Motor Imagery setting that will benefit stroke rehabilitation studies. Co-wrote a publication with professors for an ICASSP conference.