

Clyde James Felix

Contact

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Education

Master of Science

Electrical Engineering
University of Hawaii at Manoa,
Aug 2020 - Expected: May 2021

Bachelor of Science

Electrical Engineering
University of Hawaii at Manoa
GPA: 3.45/4.0
Aug 2016 - May 2020

Skills

Professional:

Computer Programming, Technical
Writing, Data Modeling, Electrical Circuits

Tools:

Linux, Unix, Python, MATLAB, Java, C,
HTML/CSS, Git, LaTeX, Visual Studio,
Microsoft Office

Activities & Awards

Dean's List, College of Engineering:

Fall 2016, Fall 2019, Spring 2020

IEEE Hawaii Branch Executive officer

Engineer's Council UH Executive officer

Medical Innovation and Design competition

Hawaii Annual Code Challenge Hackathon

Work Experiences

GRADUATE RESEARCH ASSISTANT

UH Manoa Department of Electrical Engineering | Aug 2020 - Present

- Perform Graduate level research in medical imaging & biological image computing using Machine Learning and AI.
- Exercise research methodologies in data science and Image Processing & Computer Vision.
- Mentor undergraduate students and support other related research.

TEACHING ASSISTANT

UH Manoa Department of Electrical Engineering | Jan 2020 - Present

- EE 415, Digital Signal Processing. Mentored senior-level students on applying course concepts in MATLAB.
- EE 345, Linear Algebra & Machine Learning. Taught students Python programming and prerequisite concepts on Machine Learning.

SOFTWARE ENGINEER INTERN

Alohapay Inc. | Mar 2020 - May 2020

- Quality Assurance (QA) tester, including the development of react-native for Android/iOS devices, NodeJS backend applications, and Python applications.
- Integrated Python test scripts with Selenium that boosts debugging productivity.
- Composed and organized documentation on testing reports and user manual on company procedures.

UNDERGRADUATE RESEARCH ASSISTANT

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

- Facilitated the study of developing an efficient neutron detector.
- Conducted Neutron detector experiments and data collections using radioactive sources.
- Utilized Linux and Python scripts to provide data analysis on neutron detection experiments to validate hypotheses.

UNDERGRADUATE RESEARCH ASSISTANT

UH Manoa Department of Mathematics | Jun 2019 - Aug 2019

- Collaborated with undergraduate students on Automatic Complexities, VC-dimensions, and the Fibonacci/Tribonacci sequences using Python programming.
- Contributed to an ISAIM conference paper and UROP presentations for the theoretical findings.

EXCHANGE STUDENT RESEARCHER

Tokyo University of Agriculture & Technology | Jul 2019 - Aug 2019

- Developed a Brain-Computer Interface Machine Learning model in MATLAB that classifies Motor Imagery tasks.
- Successfully determined a better Motor Imagery setting that will benefit stroke rehabilitation studies.