


Jack Lam

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Software developer and IT specialist with skills in collaborating within multidisciplinary teams. Experienced with data visualization, virtual reality, augmented reality, and hybrid reality.



WORK EXPERIENCE

Laboratory for Advanced Visualization and Applications

Graduate Research Assistant

2016-06 - Present

<http://lava.manoa.hawaii.edu>

Design and implement software/hardware for data visualization and virtual reality in a team environment consisting of computer scientists, engineers and artists.

- Install and maintain high resolution display walls, virtual reality systems, augmented reality systems, and hybrid reality systems.
- Advise various institutions on technical needs for building large display walls.
- Represent the lab and University at various events
- Present and demo of various student made lab projects.

Information and Computer Science Department

Graduate Teaching Assistant

2013-08 - 2016-06

<https://www.ics.hawaii.edu/>

Assisted professor in teaching semester long classes at the University.

- Create, review, and teach class material to undergraduates in weekly classes for topics in Discrete Mathematics for Computer Science.
- Tutor and guide undergraduates.

University of Hawaii at Manoa Library

Computer and Network Support Specialist Student Aide

2008-10 - 2013-08

<https://library.manoa.hawaii.edu/>

Maintain computer infrastructure for two different library locations that consisted of over 200 librarians and staff.

- Assist library staff for various computer needs.
- Install, troubleshoot, and maintain computers running Windows, Mac OS, and Linux.
- Install and troubleshoot of network equipment, including routers, switches and servers.
- Additional tasks include printer maintenance, cable installation, security camera installation, and other related duties.
- Updated proxy server for allowing access to various research journal databases.



EDUCATION

University of Hawaii at Manoa

Computer Science

Master of Science

2013 - 2017

GPA: 3.93

University of Hawaii at Manoa

Computer Science

Bachelor of Science

2008 - 2013

GPA: 3.65



PUBLICATIONS

The Destiny-class CyberCANOE – a surround screen, stereoscopic, cyber-enabled collaboration analysis navigation and observation environment

Electronic Imaging 2017

2017-01-01

[Link](#)

A 13-foot-wide, 320-degree hybrid reality system consisting of 32 4K 3D OLED displays. Lead design and installation of computers and network. Developed software for controlling the system.



SKILLS

Languages/Frameworks

- Javascript
- Angular 2
- C#
- Unity3D
- Java
- D3.js
- C/C++ (Familiar)
- OpenMP (Familiar)

Tools

- Windows 10
- Windows 7
- Ubuntu
- Microsoft Visual Code
- Git
- LaTeX



INTERESTS

Computer Hardware

Data Visualization

Virtual Reality



REFERENCES

References available upon request.