


# 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



## 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.