



Katrina H. Turner

KatrinaTurner.github.io

EXPERIENCE

GRADUATE RESEARCH ASSISTANT

UH Mānoa - [Laboratory for Advanced Visualization and Applications \(LAVA\)](#) |

May 2019 - present

Data Visualization for the NetSage Project (www.netsage.global)

- Create Grafana dashboards for visualizing internet2 network flow data
- Create custom Grafana plugins using Javascript, d3 & React to better answer end-user questions

GRADUATE TEACHING ASSISTANT

University of Hawai'i at Mānoa | Aug 2018 - May 2019

Teaching assistant for undergraduate ICS courses

- Spring 2019: (311-Algorithms) Assist students with class problems during lectures, office hours, grader
- Fall 2018: (141-Discrete Math) Run weekly recitations for students, office hours, grader

MATH TEACHER

Hawai'i Department of Education | Jan 2012 - July 2018

Castle High School (Aug 2014 - July 2018)

- Classes taught: Algebra I, Modeling our World, Geometry, Algebra II, AP Statistics
- EdTechTeam GAFE Summit as Google Rep for school
- Taught Professional Development classes for teachers on Google Apps
- Attended training to incorporate programming into curriculum through Altino cars
- Technology pillar for school accreditation process

Waiialua High & Intermediate School (Jan 2012 - July 2014)

- Classes taught: Math 7, Algebra I, Geometry, AP Statistics

EDUCATION

UNIVERSITY OF HAWAI'I AT MĀNOA

M.S. Computer Science | Aug 2018 - present (expected May 2021)

Classes:

Data Visualization, Data Science, Software Engineering, Virtual & Augmented Reality, Video Game Design, Machine Learning, Algorithms, Network Science, Computer Networks

UNIVERSITY OF HAWAI'I AT MĀNOA

B.Ed. Secondary Ed - Mathematics | Aug 2007 - Dec 2011

Classes:

Linear Algebra, Discrete Math, Probability, Statistics, Euclidean Geometry, Non-Euclidean Geometry, Abstract Algebra

SKILLS

- Teamwork & Collaboration
- Organization
- Leadership
- Attention to Detail
- Problem Solving

LANGUAGES/ FRAMEWORKS

- Javascript
- Typescript
- Python
- C#
- C
- Java
- HTML/CSS
- React
- D3

TOOLS

- GitHub
- Jupyter Notebook
- Unity (& Bolt)
- Grafana
- Adobe Photoshop
- Blender
- Microsoft Office Suite

CONTACT ME

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PUBLISHED PAPERS

THE NETSAGE MEASUREMENT FRAMEWORK: DESIGN, DEVELOPMENT, AND DISCOVERIES

K. Turner et al.

2020 IEEE/ACM Innovating the Network for Data-Intensive Science (INDIS), GA, USA,

pp. 45-56, doi: 10.1109/INDIS51933.2020.00010.

COMMUNITY CONTRIBUTIONS

GRAFANA

| CONTRIBUTOR

(2021) Added additional functionality to the Hourly Heatmap Plugin

<https://github.com/marcusolsson/grafana-hourly-heatmap-panel>