

MARIE CHANTAL T. TAN

Baltimore, MD | <https://mcttan.github.io/> | 443-857-3881 | mariechantaltan@umbc.edu

EDUCATION

B.S. Information Systems, Statistics (minor)

2017 - Present

University of Maryland, Baltimore County (UMBC)

Predicted graduation date: June 2020

PROFESSIONAL EXPERIENCE

Co-Founder & Web Designer

July 2019 - Present

Outdoor Orion | Baltimore, MD | <https://outdoororion.com>

- Selling a wide range of outdoor products for hunting, camping, mountain climbing, and more
- Reaching out to outdoor clubs locally and throughout Maryland
- Designing the business' website, advertising materials, and custom promotional products independently
- Learning how to analyze website traffic and business sales through a custom-built dashboard in RStudio

Software Developer Intern

May 2017 - July 2017

NASA Joint Center for Earth Systems Technology | Baltimore, MD

- Updated the satellite's file-reading software so that the old data in HDF4 files and new data in HDF5 files can be analyzed
- Learned Julia programming and HDF through reaching out to experts such as Chris Rackauckas

Scientific Visualization Intern

November 2016 - December 2016

NASA JPL | Pasadena, CA

- Researched on which software would best provide realistic physics simulations
- Learned the strengths and weaknesses of Unity's physics simulations through designing 3D models and testing environments for the first time
- Collaborated with various professionals and majors including neurology majors, bioengineering majors, business majors, and artists

INDENDENT PROJECTS

The Blue Uniform Project

July 2019 - Present

<https://mcttan.github.io/blueuniform/>

- A website dedicated to data visualizations for crime forecasting (also known as predictive policing)
- Tools: RStudio, Google Cloud Platform

Virtulis

July 2019 - Present

<https://mcttan.github.io/virtulis/>

- A training app for police officers to improve their team-building skills through data visualizations of personal and team skill sets
- Tools: Unity, RStudio, Google Cloud Platform, Google Firebase

COURSEWORK

- Multivariate Statistical Analysis
- Business Management
- Geographic Information Systems
- Data Structures & Algorithms

SKILLS

- Graphic designing (Adobe Photoshop/Illustrator, Google Sketch-Up, Figma)
- Unity (C/C#/C++)
- APIs (Google Cloud Platform, Microsoft Azure, IBM Watson, Facebook)
- RStudio (R/R Markdown)
- Web designing (HTML/CSS)
- ArcGIS
- Arduino
- Databases (Google Firebase, Microsoft Access)