

DANA HSIAO

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SKILLS

- Unity
- HTML
- C#
- CSS
- Python
- JS
- React

OTHER ACTIVITIES

- Commander for Guild Wars 2 guild Wanderers of Maguuma
- Big Red Marching Band
- Art Club President (2017-2018)
- Art Club Treasurer (2015-2017)
- Taiko Performance Group Treasurer (2016-2017)

PROFESSIONAL EXPERIENCE

XR Software Engineer, Alakazam Inc; Portland, ME — 2021 - 2023

- Added custom features to Mozilla Hubs using A-Frame and Three.js, ie. full-body avatars, eCommerce support, in startup environment
- Client work in AR using SparkAR and 8th Wall and in VR using Unity3D

Research Developer, Cornell University; Ithaca, NY — 2018 - 2019

- Added features and avatars to various VR applications
- Led a small team in recreating a VR environment from a previous study in Unity3D

Producer, MassDiGI; Worcester, MA — Summer 2019

- Led a team of six in developing a novel game from conception to release in Unity3D
- Designed and implemented key systems in the game

Research Developer; Wellesley College, Wellesley, MA — 2017 - 2018

- Prototyped AR "hot spots" in Unity3D for Microsoft HoloLens
- Assisted in designing museum AR tour

Teaching Assistant; Wellesley College, Wellesley, MA — 2017 - 2018

- Held open office hours for students to receive help with homework
- Assisted professor in designing changes to the course and assignments

Research Developer; University of Oldenburg/NSF-IRES, Oldenburg, Germany — Summer 2017

- Ported an existing Augmented Reality application from Google Cardboard to the Microsoft HoloLens
- Created compression functions to improve visibility in the heads-up display

PROJECTS AND ACTIVITIES

Sports Car AR Instagram Filter; Alakazam — Fall 2022

- Received partially done effect in SparkAR from a different developer
- Made last minute adjustments from client and supervisor
- Adjusted car to be life-sized and fixed material issues

VR Telehealth; Alakazam — Fall 2022

- Helped create environment for VR telehealth in Unity3D
- Integrated Meta avatars into networked environment

EDUCATION

Cornell University; Ithaca, NY — Masters of Engineering - Computer Science, Class of 2020

Wellesley College; Wellesley, MA — BA - Computer Science, Class of 2018