

Jeremy Tan

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EDUCATION

Duke University

Master of Science, Data Science (MIDS)

Durham, North Carolina

August 2023 – Present

University of California, Santa Cruz

Bachelor of Science in Computer Science

Santa Cruz, CA

September 2017 – June 2021

- Selected Coursework: Computer Graphics, Game AI, Data Structures and Algorithms, Linear Algebra, Probability and Statistics, Computational Models, Natural Language Processing, System Design, Vector Calculus, Computer Architecture, Operating Systems, Data Visualization, Machine Learning

EXPERIENCE & LEADERSHIP

Software Engineer

Tata Consultancy Services

June 2021 – Present

Santa Clara, CA

- Annotated datasets for autonomous vehicle clients
- Analyzed datasets to provide clients with visualizations to supplement clients' data
- Prototyped a pipeline to simulate scenarios for clients in CARLA and LGSVL

Research Assistant

Computer Vision Lab

October 2019 – Present

Santa Cruz, CA

- Maintained sim.soe.ucsc.edu, a web app for creating 3D floorplans with the MapBox API and making tactile maps for the blind
- Improved on five different toolkit features, making it easier for users to build floorplans and upload rooms
- Mentored undergraduate students to help maintain and build upon existing features

Research Assistant

Tech4Good Lab

September 2019 – Present

Santa Cruz, CA

- Integrated Causeway to social platform Slack in order to increase student accessibility and engagement
- Prototyped and deployed a Wizard of Oz Python Slack bot, Kuribot, to simulate conversational UX to facilitate social environments among students across different quarters
- Prototyped and built a Wizard of Oz Python Slack bot, OME, to simulate conversational UX discussing mental health

ITS Business Analyst

University of California, Santa Cruz

March 2018 – June 2021

Santa Cruz, CA

- Hosted 5+ training sessions for university students and clients to utilize ServiceNow modules
- Integrated 15+ university departments and services into ServiceNow in the form of workflows, tables, and reports
- Authored 10+ catalog items within the ServiceNow platform for university clients and wrote documentation

PROJECTS

SIM

October 2019 – Present

- Implemented with MEN stack and deployed with a nginx server
- Overhauled the toolkit features: building, floor plan, room CRUD, room annotations, tactile map generation, and floor plan design

Question and Answering Chatbot

January 2019 – March 2019

- Trained a question and answer system Python bot to analyze questions asked and to identify an appropriate answer from a dataset of stories
- Developed using six different NLP techniques and the Stanford Core NLP API
- Competed against 13 other teams, winning as a team of two with the highest F-measure score of 63.3% against a held-out dataset

Coordinate Tagging for Extras

September 2016 – February 2017

- Utilized JavaScript, PHP, and MySQL to store coordinates of extras that appear in music videos and time appearance and displays as the video loads

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Java, C

Tools: ServiceNow, Git