Jeremy Tan

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EDUCATION

University of California, Santa Cruz   Santa Cruz, CA
Bachelor of Science   *September 2017—June 2021*
Computer Science Major and Statistics Minor
Relevant 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

EXPERIENCE & LEADERSHIP

Undergraduate Research Assistant for Computer Vision Lab   *September 2019—Present*
vision.soe.ucsc.edu   Santa Cruz, CA
- Maintained **sim.soe.ucsc.edu**, a web app for creating 3D floorplans and visualizing 3D Floorplans
- Improved on the five toolkit features, making it easier for users to build floorplans and upload rooms

ITS Business Analyst   *March 2018—Present*
University of California, Santa Cruz   Santa Cruz, CA
- Hosted 5+ training sessions for UCSC students and clients to utilize ServiceNow modules
- Integrated 15+ UCSC departments and services into ServiceNow in the form of workflows, tables, and reports
- Authored 10+ catalog items within the ServiceNow platform for UCSC clients with documentation

Undergraduate Research Assistant for Tech4Good   *September 2019—June 2020*
tech4good.soe.ucsc.edu   Santa Cruz, CA
- Introduced data analytics for the Causeway project (**causeway.soe.ucsc.edu**), a platform to teach students web-development
- Identified two problems with the site and 3+ ways to improve the data collection while also increasing student engagement
- Prototyped and built a Wizard of Oz Python Slack chatbot to simulate career building sessions for WoZ study

Instructor   *June 2018—August 2018*
CodeHobbits   Fremont, CA
- Taught 32 students JavaScript and C# with course material to help them build a final project of their choice
- Recommended and implemented material and activities to be added to the six courses to encourage more participation
- Engaged younger students through presentation of material and introduced basic principles of Computer Science

PROJECTS

SIM-Toolbox   *September 2019—Present*
sim.soe.ucsc.edu
- Implemented with MEN stack and deployed with a nginx server
- Increased users' efficiency by 50% by improving the current toolkit of building floorplans and uploading rooms
- Overhauled the toolkit features: building, floorplan, room CRUD, room annotation, tactile map generation, and floorplan design

Question and Answering Chatbot   *January 2019—March 2019*
- Trained a question and answer system Python bot to analyze questions asked and 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 of 63.3% from a held-out dataset

ToddBot   *July 2018—March 2018*
- Built Facebook Messenger chatbot with Python to chat with users through jokes, memes, and various other addons
- Assembled with PRAW and Django with data from Reddit comments and deployed using Heroku

Coordinate Tagging for Extras   *September 2016—February 2017*
- Utilized JavaScript, PHP, and MYSQL to store coordinate of extras in music videos and time appearance and displays as the video loads

TECHNICAL COMPETENCIES

Languages: Python, JavaScript, SQL, Java, C   **Tools**: ServiceNow, Django, Flask