**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**](http://vision.soe.ucsc.edu/) Santa Cruz, CA

* Maintained [**sim.soe.ucsc.edu**](http://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**](https://tech4good.soe.ucsc.edu/) Santa Cruz, CA

* Introduced data analytics for the Causeway project ([**causeway.soe.ucsc.edu**](http://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**](http://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**

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