

Pezanne Khambatta

San Francisco, 94131 | pkhambatta@dons.usfca.edu | (857)-294-2105
<https://www.linkedin.com/in/pezanne> | <https://www.github.com/pkhambat1> | <http://pezanne.com>

EDUCATION

University of San Francisco, CA <i>Master of Science, Computer Science, GPA 4.0</i> <i>Coursework: Data Visualization, Data Structures & Algorithms, Modern Systems Programming</i>	Aug 19 – May 22
Rhode Island School of Design, RI <i>Bachelor of Fine Arts, Industrial Design, GPA 3.6</i>	Sept 13 – June 17

PROFESSIONAL EXPERIENCE

Polymerupdate, Software Engineering Intern, Mumbai, India	Jan 19 – July 19
<ul style="list-style-type: none">Built RESTful service using ASP.NET Web API to enable assigning roles, permissions and rights to different users, resulting in different levels of access for each user. Used C# for back-end operations and Postman for testing the APIDeveloped and executed multi-table SQL queries (stored procedures) often involving complex table joins and groupingEnabled internal email notification functionality triggered by detection of frequent IP addresses from the same user	
Rosanna Inc., Industrial Designer, Seattle, WA	Aug 17 – July 18
<ul style="list-style-type: none">Used 3D modeling software (SolidWorks) and rendering software (KeyShot) to design and engineer ceramic productsCo-designed 'Art Mugs' for Starbucks US that sold 210,000 units from fall '18 to winter '19 with a 90% sell-throughAdministered and assessed interviews for industrial design candidates, and assisted company executives with the selection process	

TECHNICAL PROJECTS

News Scrapers (for ML and Big Data research lab, 'MAGICS')	Dec 19
<ul style="list-style-type: none">Built web scrapers to parse data from RSS news feeds and populate a database with news articles from reputed news sources. Used BeautifulSoup library in Python to fetch text informationIncreased volume of data inputs by 27%, proving beneficial for NLP and sentiment analysisWrote and maintained comprehensive README document for current and future contributors to codebase	
Movie Recommender	Jan 20
<ul style="list-style-type: none">Built a Java application that reads real movie ratings data from GroupLens Research to recommend a list of new movies to a selected user based on what "similar" users liked in the pastPerformed <i>collaborative filtering</i> to compute user similarity score based on the <i>Pearson correlation coefficient</i> their movie ratings	
PeopleTags Interest Network (http://pk-tt-peopletags.appspot.com)	Dec 19
<ul style="list-style-type: none">Developed an 'interest network' web application using Java Servlets and JSP pages that lets users maintain a dashboard of self-written posts with images and links. Posts can be tagged with 'people' or 'collections' (of people), thus allowing for easier organization of ideasImplemented authorization filters to restrict edit, write and delete permissions only to the author. Users can create public posts that can be viewed by other usersProvided for a dynamic form generation feature called 'person profiles' whereby a user can input a list of field names, and types (text, date or numeric) as form inputs to be filled when creating a new person profileConnected application to Google Cloud Datastore to store data using NoSQL	
Hangman Phrase Guessing Bot	Oct 19
<ul style="list-style-type: none">Created Hangman bot that implements Regex pattern matching against a list of 20,000 most frequent English words to determine the best next guess, based on a weighted score for each letter. Bot averaged a score of 0.9 incorrect guesses before correctly guessing each phrase	
To-do List & Goals Web App (https://doneanddone.herokuapp.com)	Oct 17
<ul style="list-style-type: none">Developed a Flask application which allows a user to add items onto their to-do list as well as onto a long term goals list. Completed tasks and goals show up in separate 'completed' sectionImplemented a lists tab that can allow for groupings of to-do items in separate lists with collapsible headers to show or hide items list items. Used jQuery to enable collapsible tabs and Ajax to handle form submissions for 'mark as completed' and 'delete'Designed relational database schema in PostgreSQL and hosted application on Heroku	

SKILLS

Languages	Java, C#, Python, C, JavaScript, SQL
Frameworks	ASP.Net, Flask, Spring MVC, Hibernate
Web technologies	REST API, Servlets, JSP, AJAX, jQuery, HTML 5, CSS 3, Bootstrap 4
Databases & Technologies	MySQL, Google Cloud Datastore, JUnit, Git, Maven, Heroku, IntelliJ