Tarun Pasumarthi

Website: http://acsweb.ucsd.edu/~tpasumar/portfolio/ **Phone:** 510-600-2501 **Email:** tpasumar@ucsd.edu
LinkedIn: https://www.linkedin.com/in/tarun-pasumarthi-/3a64b977/ **GitHub:** https://github.com/TarunPasumarthi

Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Graduation: June 2019

Bachelor of Science: Computer Engineering **Minor: Cognitive Science**

Upper Division GPA: 3.7

- **Current Coursework:** Computer Vision, Advanced Machine Learning, Digital Design
- **Past Coursework:** Advanced Data Structures, Design and Analysis of Algorithms, AI Algorithm and Social Language, Introduction to Machine Learning, Computer Organization and Systems Programming, Computer Architecture, Software Engineering, Web Mining and Recommender Systems, Data Science in Practice, Front-End Design

Software Skills

Skills:

- Java, Python, C/C++, HTML/CSS, JavaScript, SQL, Mongodb, MuleSoft

Professional Experience

Ultimo Software Solutions Inc. ***Software Intern*** *June 2015-September 2015* *San Jose, CA*

- Worked on building a transaction lifecycle management tool called Error Spot that enables logging and searching errors across various applications along a transaction.
- Worked with MongoDB's java driver to and manipulate data from the database.
- Used quartz to schedule service calls to automate sending email notification using apache email
- Used Java Ftp and FTPS Clients to facilitate file transfers

Prch ***Software Engineering Intern*** *December 2015-April 2016* *San Diego, CA*

- Automated web scrapping for data aggregation for a mobile and web app
- Created the algorithm to rate aggregated food products based on numerous attributes
- Create an android application using Android Studio

Feelicity ***App Developer*** *February 2018- Current* *La Jolla, CA*

- Worked in a University incubated startup based on Cognitive Behavioral Therapy
- Designed and Developed a self-help metal help app including authentication, data storage, and user interface

Projects

Study Bananas

- Worked with a few classmates to build an app that enables students from my university to find or create study groups for a given class
- Scrapped data from UCSD's website to populate our database with possible values for classes and teachers
- Used Android Studio to develop a few frames of the app and to connect frontend elements to our database

Veteran Suicide Analysis

- Used datasets off of Kaggle, US CDC, and the US Census Bureau to analyze how socio-economic factors effects the veteran suicide rates across 50 states.
- **Won 1st place** in the Halicioglu Data Science Institute Inauguration Competition

Other Projects

- **Sudoku Solver**: implemented a program that solves any sudoku puzzle using a two-dimensional array, a priority queue, and recursion **(Java)**
- **Huffman Compressor**: built a file compressor/ decompressor using the Huffman algorithm. **(C++)**
- **Sentiment Analysis:** made a binary classifier using the perceptron algorithm, dimensionality reduction, and word2Vec neural net to determine if a user liked or disliked a particular movie based on their review. **(Python)**
- **My Website:** I have worked on many more projects, including: google foobar challenges, web scrappers, email schedulers, a file transfer program, and a tic tac toe game. Please go to my website (listed above) to see more.