

Srujan Kumar

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EDUCATION

UC SAN DIEGO

BS COMPUTER SCIENCE

2017 - 2021

GPA: 3.23

LINKS

Github:// **Skumar30**

LinkedIn:// **skumar3099**

COURSEWORK

UNDERGRADUATE

AI: Search and Reasoning
Deep Learning (In Prog.)
Web Mining & Recommender
Systems (In Prog.)

Programming Languages:
Principles

Algorithm Analysis & Design

Advanced Data Structures

Theory of Computers

Discrete Math

Managing Diverse Teams

SKILLS

PROGRAMMING

Javascript • React • Java

C++ • Python • React-Native

C • GraphQL • SQL • Haskell

ARM Assembly • Arduino C

TOOLS/LIBRARIES

Git • AWS • Agile • TensorFlow

Keras • Google Cloud • UNIX

Valgrind • GDB • JEST • VIM

MongoDB • Selenium • Eclipse

CNNs - VGG, PointNet, MNIST

EXPERIENCE AND PROJECTS

AMAZON | SOFTWARE DEVELOPMENT ENGINEER INTERN

June 2019 - September 2019

- Single-handedly built a product standardizing developers ability to gain feedback from beta-app users via real-time surveys and chat functionality
- Created a web application using React.JS to allow developers to view and interact with users in real-time
- Implemented corresponding React-Native SDK to easily integrate apps with service, define client logic, and provide sample UIs
- Developed GraphQL API with AWS AppSync and DynamoDB to read/write in real-time
- Took end-to-end-ownership, used Agile workflow, and designed serverless architecture involving CloudFront, CloudFormation, Cognito, S3, AppSync, and DynamoDB
- Product was created to provide a streamlined experience for developers and increase visibility of feedback from users.

PROJECT IN A BOX - DEPTH MAPPING | SOFTWARE DEVELOPER

April 2018 - June 2019

- Developed an image recognition software using python and C++ to capture an image via a Kinect camera, classify the image, and project the image with depth onto a 3D LED cube.
- Assisted in creating the neural network to classify images using Python - Keras/Tensorflow, and VGG.
- Established great communication skills due to division of labor into teams
- Wrote extensive documentation as project will be used to teach future ECE196 (course) students

MOVIE RATER | SD HACKS 2018 | PROJECT LEAD

October 2018 - November 2018

- Built multiple webscrapers via Scrapy (Python) to scrape data from popular movie critics and store info in a JSON file
- Scrapers run from Google Cloud Platform, store JSON data into MongoDB, and generate analytics
- Demonstrated leadership by guiding team throughout the project

IEEE WINTER QUARTERLY PROJECT | SOFTWARE LEAD

January 2018 - March 2018

- Created an ultrasound pain relief device to treat fibromyalgia nerve pain, powered primarily through a transducer and BLE.
- Programmed Arduino to interact with transducer and BLE
- Built an app on Android Studio to connect to bluetooth and interact with the Arduino