

Shivam Parikh

www.linkedin.com/in/parikhshivam | www.github.com/shivamparikh

University of California, Berkeley
sparikh@berkeley.edu
www.sparikh.me
(510) 967-2359

Education

University of California, Berkeley

Triple Major: B.A. Computer Science, Data Science; B.S. Environmental Economics and Policy

Class of 2020

GPA 3.66

Relevant Advanced Coursework

CS 100 - Principles and Techniques of Data Science

CS 184 - Computer Graphics

CS 162 - Operating Systems and System Programming

CS 186 - Introduction to Database Systems

CS 170 - Efficient Algorithms and Intractable Problems

CS 194.26 - Computational Photography

CS 182 - Architecting Deep Neural Networks

CS 194.28 - Computational Design and Fabrication

Skills

-Programming: Python (5), Java (4), C++ (3), Git (3), Postgres/SQL (3), Pandas (3), Plotly (3), Django (2), Unix (2), HTML/CSS (2), Pandas (3), Go (1), JavaScript (1), C (1), RISC-V (1), R (1)

Experience

Software Engineer, Salesforce.com (Public Cloud Start Team)

(Jun 2020 - Present)

- Working on the software that internal customers use to onboard their products to the public cloud platform.
- Tackled problems including dependency optimization, metadata ingestion, github api tools, CI/CD tools, and docker/kubernetes infrastructure solutions.
- Handle On Call responsibilities to troubleshoot and solve problems for internal customers using our tools.
- Writing code for multiple parts of the codebase involving infrastructure configs, Golang, and Python.
- Gained experience and developed skills in Scrum styles, documentation, communication, and teamwork.

Software Engineering Intern, Salesforce.com (Kernel Cloud, CBX Team)

(May 2019 - Aug 2019)

- Built a tool to efficiently arrange changing code in Docker Images of the Salesforce Core application.
- Analyzed development patterns within the engineering organization to order Docker Layers by volatility.
- A projected network bandwidth reduction on the order of 1 Gigabyte per public cloud image deployment.

Business Technology Analyst Intern, Deloitte Consulting

(Jun 2018 - Aug 2018)

- Consulted a state government systems integration project impacting the millions of residents using benefits.
- Built a dynamic process scheduler to organize server and data dependencies in MS Project.
- Conducted Disaster Recovery Assessments for client's existing and proposed technology infrastructure.

Software Engineering Intern, PickTrace Inc

(Jun 2017 - Dec 2017)

- Worked with a full stack codebase, internal APIs; Conducted data analysis for large agricultural clients.
- Database Management in Postgres, Web Framework in Python, Data Analytics in Python and SQL.
- Collected server data to use for load balancing, point of failure recognition, and resource optimization.

Projects (www.sparikh.me/blog)

Covid-19 Case Spread - A Python Data Visualization Project

- In the March of 2020, I used the NY Times dataset to chart the spread of Covid in America.
- Received over 50k upvotes for a post on Reddit's r/datasetsbeautiful, in the top 200 posts of all time.

Congressional Partisan Analysis - A Python Data Analysis Project

- Scraped congressional voting data to analyze partisan voting behavior in the U.S. Congress with Matplotlib.

High Dynamic Range Algorithm Implementation - A Computational Photography Project (CS 194.26)

- Built an HDR pipeline in Python that recovered radiance maps, and built a high dynamic range picture.
- Applied Tone Mapping, Histogram Equalization, and Intensity Adjustment to produce an output image.

Generative Hyphae Asymmetric Surface Transformations - A Computational Design Project (CS 194.28)

- Wrote a variety of generative growth algorithms to run in 3D space and grow on mesh objects.

Apple Music Analysis and Playlist Creation - A Python Data Analysis Project

- Used downloadable user data of listening history to build smart playlists and let users visualize their habits.
- Built a Django, Nginx, and Celery backend on Digital Ocean to let my friends use the service.

Awards & Accomplishments

UC Berkeley Dean's List (2018)

Presidential Volunteer Service Award, Gold (2013-2015)

Cal Alumni Assoc. Leadership Scholarship (2016-2017)

Boy Scouts of America, Eagle Scout (2005-2016)