

# Shivam Parikh

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## 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 years), Java (4), C++ (3), Git (3), Postgres/SQL (3), Pandas (3), Plotly (3), Django (3), Unix (3), HTML/CSS (2), Pandas (3), Docker (2), GraphQL (1), Go (1), JavaScript (1), C (1), RISC-V (1), R (1)

## Experience

### **Software Engineer, WanderJaunt, Inc. (Series B Startup)**

**(May 2022 - Jul 2022)**

- Worked with GraphQL, Vue, and Django to build a Property Management as a Service platform.
- The short tenure is because the company unexpectedly ran out of runway and had to fully shutdown.

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

**(Jun 2020 - May 2022)**

- Worked 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.
- Handled On Call responsibilities to troubleshoot and solve problems for internal customers using our tools.
- 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 intakes amongst other responsibilities.

### **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.

## Projects ([www.sparikh.me/blog](http://www.sparikh.me/blog))

### **Covid-19 Case Spread - A Python Data Visualization Project**

- In March of 2020, I used the NY Times dataset to chart the spread of Covid in America.
- Received over 50k upvotes for my post on Reddit's r/dataisbeautiful, 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)