

## SKILLS

**LANGUAGES:** Python, Javascript, React, C++, JQuery, Git, D3, PHP, Ruby, Java, CSS3, HTML5, Leaflet, Ajax  
**DATABASES:** PostgreSQL, MySQL, SQLite, Hadoop, Oracle SQL, Tableau, Hive, Spark  
**FRAMEWORKS:** Django, React, Node.js, Angular, Flask, Ajax, JQuery, Electron, Rails  
**WEB PLATFORMS:** Amazon Web Services, Heroku  
**SOFTWARE DEVELOPMENT:** Scrum, Agile  
**BUG TRACKING:** Apple Bug Tracking Software, Jira, Google Bug Tracking Software

## EMPLOYMENT

**YouTube via Cognizant** · Analyst · Aug. 2020 to Current

- Work on YouTubeTV Incubation Team to create, streamline, and automate workflows to create more efficient business processes.
- Build tables and data visualization dashboards to show key performance metrics for weekly, monthly, and quarterly reports.
- Lead for League Readiness which ensures all aspects such as rosters, schedules, and artwork on YouTube TV for MLB, NHL, MLS, NBA, etc are ready to launch before the official seasons start, and are accurate on the interface throughout the duration of the seasons.

**Google via Cognizant/Signature** · Sales Engineer/Data Analyst · June 2019 to Aug. 2020

- Worked in Google Ads where I provided, maintained, and troubleshot key metric dashboards for sales teams so they could view their performance and improve weaknesses.
- Created ad-hoc queries that analyzed and interpreted key business KPIs using SQL for clients to help them create various reports as well as verify data which clients flagged.
- Monitored and maintained workflows to have correct and up to date data at all times throughout various regions of the world.
- Debugged scripts to fix errors in logic that produced corrupt data in order to make sure dashboards were reliable and accurate.
- Maintained dashboards similar to Tableau to help clients visualize performance.
- Spoke with Sales and Global Product Leads to discuss new features to improve services and dashboards.

**Apple via Apex** · Software Developer/ Data Analyst · Sept. 2017 to Dec. 2018

- Worked on the Internal Analytics and Tools team to create applications for Apple Maps that would improve business processes.
- Built and maintained a data analytics website for management to get up to date reports and metrics on various projects quickly and efficiently.
- Logged software issues and tracked progress of tasks with bug tracking software to help deliver sprint goals in Agile on time.
- Built applications using Python, Flask, Javascript, D3, Ajax, PostgreSQL, Leaflet, and Electron.

**The City of San Jose** · Intern · Jan. 2016 to May 2016

- Developed the front end for a web based Parks and Recreations assessment tool to improve pen and paper processes to more up to date practices.
- Used Bootstrap and HTML.

## PROJECTS

**KPI Dashboards - YouTubeTV** · Sept. 2020 to Current

Create workflows, tables, and data visualization dashboards to show key performance metrics for weekly, monthly, and quarterly reports.

- The workflows run scripts written by me, at specific times, to create tables and import data into them. The data is gathered from various resources like excel sheets.
- Once the main tables are created the workflows join tables using SQL to get appropriate data needed to compile reports and data visualization charts.
- Create documentation for these processes so workflows can be handed off for other teams to use.

**React Website - Personal** · Aug. 2020

Created a California fire emergency supply list website using React and MongoDB, where individuals could maintain a supply kit in case of evacuations.

- Implemented React specific methodologies and features like "hooks" to set variables, "functional components" to organize and reuse code, and "promises" to make sure code was running in an orderly fashion.
- Used Axios to pull data from APIs and followed CRUD principles to manage the database
- Utilized Express and Cors, so the REACT front-end framework could communicate with the MongoDB backend to edit and create data.

**Flask Website - Apple** · 2018

Developed website using Python and Flask to help upper management analyze important information for various projects.

- Created an application on the website that compared two snapshot dates and displayed the total amount of change between each component of the project. If there was a decrease in production, a red text with the overall decrease number, and a red arrow pointing down would be displayed. An increase in performance would be shown in green with a green arrow pointing up.
- Created sunburst donut charts and other graphs with features such as disabling/enabling categories and displaying tooltips that gave information on data such as percentage of projects completed or failed. Used D3(Data Driven Documents) javascript library to build these data visualization objects that helped project managers visualize and understand data.
- Used Ajax on the website to make the applications more responsive.
- Backend of website was PostgreSQL Database.

**Electron/Javascript Application - Apple** · 2017

Created an application using Electron and JavaScript that helped individuals who were not familiar with SQL databases and syntax to easily edit, delete, and create data in PostgreSQL database.

- The application mimicked an excel sheet and users could update the information in the cells and once data was submitted it would get updated in the backend.

**Django Website - Personal** · 2017

Developed a website using Python and Django, and a SQLite database.

- The website was a place where individuals could post what they wanted for holidays or special occasions.
- Users can view other peoples wishlists and add those user's items to their wishlist.

**MEAN Website - Personal** · 2017

Developed a webpage using Angular, MongoDB, and RESTful API to keep track of birthdays.

**Automated Email System with Python - Apple** · 2017

Developed a program using Python that automatically sent out a summary of data for completed projects to appropriate managers with information such as time it took to complete project and other relevant material.

- Used python packages to collect data from PostgreSQL database.
- Used dynamic dictionaries to organize and calculate data. Sent out the information in a formatted email using a python script.

## EDUCATION

**San Jose State University**

Bachelor Of Science in Business Management Information Systems 2016

**Coding Dojo Full Stack Developer Bootcamp**

Web Development React, Angular, Django, Ruby on Rails 2020