

STEVEN WU

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Professional Experience

Nike – Software Engineer

Sep 2021 - Current

- Led design and feature development of web portal pages using Next.js & Typescript that enabled analytics teams to migrate reports to an enterprise-wide analytics portal, saving 27 teams over **\$2.7 million** in associated costs
- Optimized frontend performance by utilizing component memoization, image & gzip compression, and tree shaking which reduced bundle size by **65% (1.6mb to 550kb)** and decreased FCP and LCP by **33%**
- Contributed to a React design system by implementing new components and managing version control
- Contributed to a Nike open-source project Brick-Flow (**12,000+ downloads**) by adding additional functionality to define and deploy Databricks workflows programmatically using Python decorators
- Deployed an ETL pipeline that pulls data from NewRelic's GraphQL API and publishes it to a Tableau Enterprise Server to automate mobile application metrics reporting processes for C-Suite level viewership

Nike – Software Engineering Intern

Jun 2020 – Aug 2020

- Saved over **\$100,000** in labor costs by designing and developing a Python automation script that uses Pandas to clean and classify large sets of data and enforce data taxonomy rules set by marketing and data governance teams
- Created SIPOC-aligned business processes in data governance platform to create fully governed data attributes

Casper – Data Analyst Intern

Jun 2019 – Aug 2019

- Automated data collection from enterprise PLM software by writing Python scripts that used Selenium WebDriver, saving hundreds of hours in search time
- Tracked return rate of products by creating dashboards using Looker and created custom SQL queries to narrow parameters and identified regression trends

Poly Consulting Group – President, Co-Founder

Sep 2018 – March 2019

- Founded a pro-bono consulting firm and led 2 engagements with a team of 4 people to provide business operations analysis, go-to market strategies, financial advisory, and technology implementation
- Led product strategy for a forecasting model that predicted likeliness of home owners buying solar panels and generated user heatmaps for optimal neighborhood outreach

Projects

Personal Portfolio

- Automated deployment of React SPA using github actions and terraform to provision AWS Cloudfront/S3 resources for hosting and AWS DynamoDB tables for state-locking

Pokedex

<https://radiant-blancmange-f26b1d.netlify.app>

- Developed and hosted a full-stack Pokedex web-application on AWS, featuring infinite scroll feed catalog, user authentication and account creation, SSL certification, and proper utilization of REST API's

Yelp Clone

<https://magical-gelato-d6af57.netlify.app>

- Developed and hosted a full-stack web-application on AWS that supports basic CRUD functionality, user account creation, and allows users to search for and add custom reviews for restaurants

Skills

- Languages: JavaScript, Typescript, Python, Java, HTML, CSS, SQL, C
- Frameworks / Technologies: React, Next.js, Node.js, Express, Jest, Cypress, Terraform, AWS Route 53, Cloudfront, S3, EC2, ELB, Jenkins, Selenium Webdriver, Git, MongoDB

Education

California Polytechnic State University, San Luis Obispo

B.S: Economics / Minor: Computer Science