

Philip Zhang

📍 SF Bay Area, California 📞 (510) 813-9049 @ [hi@philipzha.ng](#) 🔗 [philipzha.ng](#) 🐙 [github.com/petabite](#) in [linkedin.com/in/philipzhangg](#)

EDUCATION

B.S., Computer Science GPA: 3.9
University of California, San Diego
📅 Sept 2020 – Jun 2024 📍 La Jolla, California

EXPERIENCE

Software Engineering Intern, Deploy (Infrastructure)
Stripe
📅 Jun 2022 – Sept 2022 📍 Seattle, Washington

- Implemented an automated data pipeline and wrote queries for a metrics dashboard to provide visibility into the usage of infrastructure locks
- Conducted user interviews with a manager and several engineers to understand the pain points of incident response
- Developed and shipped a tool that improves incident response by surfacing commonly created locks as an intern hackathon project which was selected by our CTO to be presented to Stripe's co-founders and 1.7k Stripes during a company-wide meeting
- Integrated infrastructure locks with a command line tool controlling automated host cycling, allowing the system to be disabled/enabled when needed
- Completed an incident remediation that improves an internal tool by preventing a human error from occurring in the future

Skills: Go, gRPC, Protocol Buffers, Ruby, Sorbet, Mocha, Apache Airflow, Apache Parquet, Trino, Python, Typescript, React, Bazel

Software Engineering Intern
SiriusXM Connected Vehicle Services
📅 Jun 2021 – Aug 2021 📍 Remote

- Developed a support Slack bot using NLP to assist 160+ engineers with resolving API issues, reducing load for support engineers
- Implemented a user friendly UI that displays key information from SiriusXM APIs to aid engineers in their debugging process, eliminating the need to make manual requests to APIs
- Consulted support and security engineers to best cater the integration to their needs and ensure company security and data privacy requirements were met

Skills: AWS/Serverless Framework (Lambda, DynamoDB, Amplify), Slack API (Bolt), React, Python, Jira, BitBucket, Jenkins

Software Engineer
Drizzle Co.
📅 Jun 2020 – Sept 2020 📍 Remote

- Developed and shipped six full stack projects, working on API design, database design, user authentication, and CI/CD integration

Skills: Python, Flask, Vue.js, Vuetify, React, SQLAlchemy, GraphQL, Swagger, Twitter API, Heroku, Docker, pytest, Codecov, Buildkite, Git

Notable Projects

- **Feeds** - a web app and API for makers to manage their IoT data
- **Salary Database** - API for browsing public H1B salary data
- **Twitter Blast** - a tool to connect with Twitter followers via DM

Software Engineer
PilotCity
📅 Feb 2021 – Apr 2021 📍 Remote

- Developed frontend and backend logic for a web application enabling hundreds of high school students to build projects for various employers to win internships
- Debugged production builds to ensure stability for users

Skills: Vue.js, Vuetify, MongoDB Atlas/Realm, AWS, Twilio, Git

Lead Software Engineer
Rootup
📅 Nov 2018 – May 2020 📍 Remote

- Developed a RESTful backend and 4 database schemas with the Rails ORM that manages all user data and implemented over 80 frontend desktop and mobile design iterations
- Configured cron jobs facilitating the sending of our newsletter
- Managed app deployments and debugged production errors to ensure app stability for over 60 users
- Cut deployment costs by over 50% by optimizing deployment resources and services
- Reached top 10 on **Pioneer** leaderboard

Skills: Ruby on Rails, PostgreSQL, jQuery, Google App Engine, Google Cloud Storage, Heroku, Travis CI, Zeplin, Git

ACTIVITIES

Full Stack Developer
Triton Software Engineering
📅 Nov 2020 – Present 📍 La Jolla, California

- Developed web applications for various non-profit organizations in an Agile environment using the MERN software stack and more

Projects

- A foster dog matching **portal** for **The Animal Pad**
- A new member recruitment and roster **management tool** for the club to organize member profiles and their projects
- A **mobile app** promoting family literacy for **Words Alive**
- A **web app** for **Feeding San Diego** that helps track current food supply

Skills: MongoDB, Express, React, Node.js, Go, React Native + Expo, Typescript, Firebase, Figma, Git

PROJECTS

jufa – A mobile app for virtually connecting with new people in a stay-at-home world built with Expo, Express, and Apollo.

ideaHunt – A mobile app to freely share ideas and projects with a community built with Expo and Python/Flask.

Drawma – A multiplayer drawing game where each player contributes a piece of an image built with React and Firebase

uWeb (microWeb) – Web server for wifi-based micro-controllers running MicroPython featuring URL routing, HTTP request parsing, HTML template rendering, and static file serving

uPixels – RGB LED strip controller built with uWeb for MicroPython micro-controllers accessible via a REST API and a web interface

DatStreamer – Desktop application for streaming music from DatPiff.com written in Java using JavaFX and jsoup

Lokr – Python password manager featuring password encryption and a tkinter user interface

libsonyapi – Python binding for the Sony Camera API that interfaces directly with a Sony camera via SSDP and HTTP

pylapse – Python time-lapse shooter built using libsonyapi and tkinter for Sony cameras with automatic capture timing

PyLyrics – tkinter application that scrapes lyrics for songs currently playing in Spotify from Genius.com and displays them

shiptivitas – Project for Forage Y Combinator startup training program using Express/Node.js and SQL queries for analytics