CONTACT **Yifan Zhang**   https://yifanz.net
yifanzbox@gmail.com
(408) 580-6608

SYNOPSIS **Full-stack** software engineer with web and front-end expertise. Experienced in extending products in large codebases at Google and Facebook. Previously worked on iOS development at Apple, hypervisor sandboxing on macOS, and open-source IDE plugin development.

Authorized to work in the United States (U.S. citizen).

EXPERIENCE **Google**   11/2022 - Present

Expanded MCP client capabilities in Firebase Studio (AI-assisted cloud IDE), added new slash-commands, runtime config variable substitution, and premium subscription support. Previously contributed to Google Meet on Google Beam hardware, extended the layout engine for new device-specific UI and resolved product ambiguity through rapid prototyping.

TypeScript, Angular, C++, Protobuf

Square   10/2019 - 11/2022

Developed the identity verification and disputes front-end for Cash App customer operations. Separately, worked on the QR code ordering and saved payment features in the Square Online checkout flow. Supported my team with oncall, onboarding, interviewing and promo.

JavaScript, React, TypeScript, Vue, Kotlin, PHP, SQL

Facebook   9/2018 - 9/2019

Integrated the WhatsApp Status Ads configuration UI into Facebook Ads Manager. Subsequently, joined the backend infra team and collaborated with the DOJ on developing internal tooling for law enforcement inquiries.

JavaScript, React, Erlang, Hack

Apple   7/2017 - 8/2018

Software engineer in Core OS. Implemented changes to support arm64_32 app installation on Apple Watch Series 4. Fixed chained symlink vulnerability in iOS 11.1 (CVE-2017-13804).

Objective-C, iOS, C

Bracket (acquired by VMware)   9/2014 - 6/2017

Worked on the management console for deploying secured VMs on AWS. Took a leave of absence during this time to do my master's degree.

JavaScript, AWS, Python, Django, PostgreSQL

LinkedIn   7/2012 - 6/2014

Front-end developer on the subscriptions team. Created the Dust language plugin for the Intellij IDE on the side.

JavaScript, HTML, CSS, Java

Chuwa   11/2010 - 7/2012

Software engineer on the enterprise Java consulting group.

Java, Spring, Hibernate, MySQL

PROJECTS **HVM sandbox on macOS using Hypervisor.framework**

https://github.com/yifanz/masters-proj

Dust custom language plugin for Intellij

https://plugins.jetbrains.com/plugin/7214-dust
https://github.com/yifanz/Intellij-Dust

EDUCATION	**MS in Computer Science.** University of California, Los Angeles	2017
	AWS Certified Developer - Associate	2020
	Linux Foundation Certified Systems Administrator	2017
	Oracle Certified Professional, Java SE6 Programmer	2010
	BS in Biochemistry. University of California, Davis	2008
	FAA-certificated Private Pilot - ASEL, Instrument Rated	2023