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# Peter S. Wang

Berkeley educated web applications engineer and serial entrepreneur

## SKILLS

I have over a decade of building and launching successful SaaS platforms that enhance productivity, efficiency, and collaboration for various industries and markets leveraging my extensive experience and expertise in Ruby on Rails, JavaScript, and other frontend web technologies.

Previously, I was a VP of Engineering at Alibaba Group, where I led a team of engineers and developers in delivering high-quality web applications and services. I also contributed to the strategic vision and direction of the company, as well as the adoption of best practices and standards.

I co-founded my own venture in 2019. My mission is to create impactful and user-friendly products that solve real-world problems and add value to customers and stakeholders.

## EXPERIENCE

### **Stealth Startup — Co-Founder**

MARCH 2021 - Present

Undisclosed. Further details may be given over voice comms if asked.

### **Youdo, LLC — Co-Founder**

MAY 2019 - DECEMBER 2020

Founding engineer on a team of edtech innovators.. MVP was built on React, Node, Typescript, and Ruby on Rails. Customers were recent college graduates and junior level career oriented salaried office workers looking to up their skillset by leveraging our on-demand network of consultants through our hosted SaaS platform.

### **Alibaba Group — VP of Engineering**

JANUARY 2019 - APRIL 2019

Lead teams within the Lazada org, Alibaba's newly acquired e-commerce platform in SEA. Worked with QA, Mobile, Infra, and Frontend teams to build a new Data team working on internal tooling for running AB tests across the client apps.

### **AirBnB - Urbandoor, Lead Frontend Engineer**

JANUARY 2016 - FEBRUARY 2018

Oversaw the development of an end to end marketplace for corporate real estate, recently acquired by AirBnB in August 2019. The frontend marketplace was written in Typescript while using a React framework with Redux, Mobx, and a Ruby on Rails backend. Founding engineer writing foundational architecture for the frontend app, and lead the onboarding effort for all future hires on the product team, working on public facing part of the product. Product included a real estate search engine, checkout flow, confirmation pages, reservation management UI, and customer settings profile.

### **Microsoft - Yammer, Senior Data Tools Engineer**

OCTOBER 2012 - FEBRUARY 2014

Founding frontend engineer on the Avocado platform, codename for the alpha version of the analytics tools suite which eventually spun off of Yammer and became its own standalone product, now known as Mode Analytics. The analytics team at Yammer used a Ruby on Rails stack with bootstrap and d3 on the frontend.

### **HP Enterprise - Autonomy Optimost, Solutions Engineer**

JUNE 2010 - OCTOBER 2012

Top performing frontend solutions engineer writing CSS and HTML swaps via javascript injection on a vast number of public facing websites of Fortune 500 clients. Multivariable testing and AB testing platform, Optimost, was used to swap designs for the public and collect data on the performance of these solutions. Injections were written in pure javascript optimized to run in all browsers, including Chrome, Internet Explorer and Firefox. Was promoted 2 times over the span of two years and given the highest annual performance bonus available two out of two years.

## TECHNOLOGIES

**Frontend Engineering**  
React, Typescript, React Native (iOS), Material UI, HTMX, WebGL, WASM, D3, Tailwind

**Backend Engineering**  
Ruby on Rails, Nextjs, tRPC, GraphQL, Python Django, Node Express

**Other Programming**  
Swift, Java, Go, SQL, Rust

**Cloud Hosted Services**  
AWS, Google Cloud Platform, Azure Cloud, Heroku, Tencent Cloud

## EDUCATION

### **UC Berkeley, California — Bachelor of Science, Engineering**

JANUARY 2006 - DECEMBER 2009

Major in Electrical Engineering and Computer Sciences, with a minor in Music. Some classes that were taken include topics like Integrated Circuit Design, Electrical Systems and Signal Processing, Operating Systems, Computer Graphics, Software as a Service, Discrete Mathematics for Computer Science, Nonlinear Circuits using Memristors, Technical Writing, Artificial Intelligence and Machine Learning, Data Structures and Algorithms, Systems Design and Architecture, Music Theory, Music Practice

### **Shenzhen University, China — Chinese Language and Literature**

JANUARY 2019 - DECEMBER 2019

Level I & II Mandarin

## RECENT PROJECTS

### **Shakespeare-GPT, LLM Research — Training Loss of 1.0732, Achieved Validation Loss of 1.4933**

OCTOBER 2023 - DECEMBER 2023

Following OpenAI's Andrej Karpathy's GPT from Scratch series (8 hour Youtube Tutorial), built a modern GPT trained on all 1,115,394 characters of text from Shakespeare's complete works. The LLM produces infinite Shakespeare, achieving a 1.4933 loss on the validation data. The model was trained over 45 minutes using my GTX4070 using 10M parameters, 65 tokens, a batch size of 64, a block size of 256, 384 embeddings, 6 layers, 6 heads, and a learning rate of  $3e-4$ .

### **MiniDoom, Game Development Research — First Person Shooter**

NOVEMBER 2023 - DECEMBER 2023

Following Ex-Google Engineer SimonDev from his FPS from Scratch build on Youtube, built a 3D First Person Shooter game in JavaScript using physics engines written in D3, and shaders written in glsl (Graphics Library Shader Language).

### **Localhost:AI, AI Assistant Build — Text, Visual, and Voice Enabled**

DECEMBER 2023 - JANUARY 2024

Deployed a local instance of a language model to generate text privately on my own personal PC, along with a local instance of a voice generation model to generate voice clones of myself for any text input privately on my own personal PC, and a stable diffusion model to generate images for me on my own private server, all done through open source models like Llama, Mistral, Hermes and Falcon for text generation, Tortoise for Text to Speech generation, and Fooocus for image generation.