Matthew Jang

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Education

University of California, Berkeley	April 2014 – December 2018

College of Letters & Science
Bachelor of Arts (B.A.), Cognitive Science

Relevant Coursework: Data Structures, Computer Organization, Operating Systems, Object-Oriented Programming, Discrete Mathematics, Multivariable Calculus, Linear Algebra, Artificial Intelligence

Relevant Skills: TypeScript, JavaScript, React, Redux, Node, MongoDB, SQL, AWS, Segment, HTML/CSS, Git, Jira, Heroku, Iterable, SendGrid, Ruby on Rails, Python, Java, ChatGPT, LangChain, Pinecone

Professional Experience

PROVEN / Noteworthy	August 2022 – Present

Senior Software Engineer

- Pioneered a sophisticated Q&A machine powered by LangChain's LLM and RAG model, coupled by the Pinecone vector database and ChatGPT.
- Pioneered Passwordless authentication via Magic link and SMS with AWS Cognito and Amplify to simplify, improve, and personalize the login-to-purchase journey for millions of users.
- Improved both the quiz sign-up conversion rate, and the overall site login success rate by 15%.
- Integrated PROVEN into physical Sephora stores nationwide: here.
- Led third-party integrations from Friendbuy referral programs to Kickbox email validations.
- Interviewed, hired, and mentored new engineers.
- Led high-impact projects to build and improve authentication, data analytics, CRM, site security, requirements, and ship out high-quality features.
- Improved sprint planning, retrospective, code review, and documentation processes.

Trellis Rx (acquired by CPS)	January 2021 – August 2022

Software Engineer (Full-Stack)

- Build and support Arbor, a tool to help patients and providers navigate through the incredibly complex system of Specialty Pharmacy.
- Pioneered in-app Shipping integration and internal tools via database management, backend, UI, and analytics, ultimately speeding up internal processes from several days to several hours.
- Participated in the development of a continuous build architecture with constant iteration.

The Home Depot Technology	December 2018 – December 2020

Software Engineer (Full-Stack)

One Replenishment Engine (ORE) Team - IT Supply Chain

- Build and support a world class replenishment engine that dynamically and reliably produces Raw Need Forecasts for airflows and SOQs to enable the right product in the right place at the right time to satisfy customer demands.

Item Data Management (IDM) Team – Product & User Experience

- Build and support Stibo System's STEP, an online tool for vendor partners to view, set up and maintain product data. This data feeds homedepot.com, supports The Home Depot (THD) supply chain initiatives, and drives the SKU setup process for merchandising.

Qubit Security	January 2017 – May 2017

Software Engineer Intern

- Improved real-time anti-hacking cloud detection via Plura.io to 6 seconds.
- Co-led an analysis team of ten people in investigating Apache Spark's machine learning library (MLlib).
- Investigated a malware pattern-matching tool called YARA to detect common SQL injection and Ransomware signatures.