LINENG(VINCE) CAO

as **Senior Software Developer**

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🤸 Stacks

Web (Proficient)　　　*JavaScript es6, TypeScript, React, TailwindCSS, Nodejs, Jest, MongoDB, Rollup, Storybook, Three.js(R3F), Nextjs, Remix, Cypress, Vue, Python, GraphQL, PostgreSQL, Docker, Kubernetes, d3.js*

Application (Proficient)　　*Electron, Xcode, Swift, SwiftUI, React Native, Flutter*

Others (Prior experience)　*Robotic Process Automation, Java, C#, Unity, R, C++*

🎓 Educations

M.S in Computer Science at **University of Southern California**　　　*Los Angeles, CA, Aug 2018 - May 2020*

B.S. in Computer Science Major, Mathematics Minor at **Kean University**　　*Wenzhou, China, Aug 2013 - May 2017*

👨‍💻 Employments

Senior Software Engineer at **DeepScribe**　　　*San Francisco, CA, Jul 2023 - Present*
- Leads Human-in-the-loop (HITL) web platform solution to reduce workflow complexity while maintaining high note quality and efficiency rate.
- Assists in constructing the infrastructure for a completely automated note generation solution.
- Processes migration plan between code repositories and facilitating the implementation of new enterprise features while minimizing technical debt.

Software Engineer at **DeepScribe**　　　*San Francisco, CA, Jan 2020 - Jul 2023*
- As one of the founding engineers, built and designed web based Portal, Telemedicine solution and internal libraries, which are used by thousands of providers nationwide.
- Brought CICD automations into early products' development and deployment process with AWS amplify, containers and Github actions.
- Developed native iOS application with SwiftUI as next generation practitioner application.
- Worked closely with customer success and onboarding team for shipping direct internal tooling on demand, and integrated various industrial partnership vendors into products lifecycle.
- Involved dozens of interviews for recruiting and took role of mentor on engineering team onboarding events.

FreeLancer　　　*n/a*
- Provided customize web application solutions from page creations to domain hosting. The stacks are including but not limited to Parceljs, Nextjs, Remix, Electron, Shopify hydrogen and liquid template language. *(e.g. //powerwell.ca, //pyroxauto.ca, //angust.tw, etc)*

Developer (Student Worker) at **USC Information Sciences Institute (ISI)**　　*Marina Del Rey, CA, Nov 2019 - Jan 2020*
- Designed user interfaces for DeterLab cyber experimentation (DEW).
- Turned DEW core python source code into a structured RESTful backend with Flask implementation.

Software Development Intern at **Bozhon (USA)**　　　*Santa Clara, CA, May 2019 - Aug 2019*
- Developed automated inspection and raw image data processing application with .NET and C# under MVC and Singleton Pattern.

Web Development Intern at **SRIT Software**　　　*Ningbo, China, May 2018 - Jul 2018*
- Involved a creation of trade & traceability platform, w/ Spring Boot as backend, Mustache (early logic-less template), Jade, Echarts, Zepto.js as frontend.

Software Development Intern at **Oracle (China)**　　　*Beijing, China, Aug 2016*
- Enhanced registration and login portion for Oracle BI Liquidity Management Reporting System.
- Concluded SQL queries to extract and refine duplicate entires results inside database (RDBMS).

🛠️ Selected Projects

s3db, */github*
- Turn AWS S3 into a database-like storage solution with document type entries.

use-tools, */github*
- A group of self-implement React hooks for making me and other developer daily life easier.

COVID-statistics, */github*
- Visualizing real-time global COVID data with Nivo, Nextjs, TypeScript, Bulma and Framer-motion.

Foldable Side Panel (Chrome extension), */github*
- A simple React implementation of a Chrome extension template for a foldable side panel, with Parcel, TypeScript and TailwindCSS.

🖍️ Publications

Publication, **A Highly Customizable Parent-Child Word-Learning Mobile Game for Chinese Children with Autism,** *(link)*　　*May 2017*

Publication, **"One Doesn't Fit All": A Comparative Study of Various Finger Gesture Interaction Methods,** *(link)*　　*Jun 2016*