


# LINENG(VINCE) CAO

as **Software Developer, Front-end Developer & Full Stack Developer**

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## Skills

- Java /.Net (Proficient): *Java (Android), C# (UWP)*
- Full Stack (Proficient): *JavaScript ES6, TypeScript, Angular, Reactjs, React-native, Nodejs, MongoDB, Flask, MVC, RESTful Web Service*
- Others (Prior experience): *Python, Unity, R, Swift, C++, Git, Auth0, Docker, Jest, Jenkins, Agile, Maven,, MySQL, Oracle, MSSQL*

## Education

- M.S in Computer Science, **University of Southern California** *Los Angeles, CA, Aug. 2018 - May 2020*
- B.S. in Computer Science Major/Mathematics Minor, **Kean University** *Wenzhou, China, Aug. 2013 - May 2017*

## Employment

### Software Engineer Intern at **DeepScribe**

*San Francisco, CA, Jan. 2020 - Present*

- Gather the client requirements, prepared analysis and design documents, conducted feasibility study and provide technical solution to service.
- Convert UI/UX designs into functional prototypes and production level ready **Electronic health record (EHR) web applications** and **released Chrome extension** using **React/Redux, EditorJs, Auth0 Authorizations & AWS Amplify platform** ([//bit.ly/37Lf8ZF](https://bit.ly/37Lf8ZF)).
- Overviewed the setting up of the mock backend test environment, defining detailed test data requirements, converting them into test cases and collected test metrics for analyzing the testing effort by integrating **Jest & Jenkins** Pipelines.

### Frontend Developer (Student Worker) at **USC Information Sciences Institute**

*Marina Del Rey, CA, Nov. 2019 - Jan. 2020*

- Created **draggable sorted React DnD** components and designed one **Linux-style Tab Auto-complete** for DeterLab testbed of distributed experiment workflows (DEW) cyber experimentation ([//bit.ly/2YNtwZR](https://bit.ly/2YNtwZR)).
- Integrated existed DEW **Python** library into structured **Flask RESTful** backend APIs with syntax translator, generator and suggestions.

### Full Stack Intern at **Ustoshop**

*West Covina, CA, Oct. 2019 - Nov.2019*

- Implemented **MongoDB** poll web pages w/ **Pug** template engine, **Bootstrap4**, **RxJS**, and **Express** deployed on Alibaba Cloud Server, supporting Google phone number validation and voting results visualization.
- Worked on **Electron** framework to build **Angular & Ant-design Zorro** desktop application for the logistics platform, using **SheetJS js-xlsx** library interacting with Excel files, deployed Electron **auto-update** features from release branch.

### Software Development Intern at **Bozhon (USA)**

*Santa Clara, CA, May 2019 - Aug. 2019*

- Developed **MVC & Singleton** design patterns of **C#** WinForm applications utilized in automation products for inspection.
- Built .Net DLL libraries for cropping raw image data from Visionpro with relevant edges, as a part of vision inspections.
- Wrote unit tests for each individual modules and functions.
- Applied agile methodology; used **Jira** to track bugs and issued; used **Jenkins** to automate testing.

### Web Development Intern at **SRIT Software**

*Ningbo, China, May 2018 - July 2018*

- Deployed visualized UI components in web pages by using logic-less templates, **Mustache** and **Jade**, utilizing Javascript libraries **Echarts** and **Zepto.js** to parse **Json** data from Spring Framework backend services.
- Communicated with clients to collect requirements and feedbacks for final product delivery.

### Software Development Intern at **Oracle (China)**

*Beijing, China, Aug. 2016 - Aug. 2016*

- Enhanced responsive web layout design of registration & log-in web pages for Oracle BI Liquidity Management Reporting System.
- Wrote **SQL** queries paired with regular expressions to extract and refine data on Bank of China Oracle Database (RDBMS).

## Project & Publication

### **CollapseSidePanel-Chrome-Extension**, ([//bit.ly/2wFFb7b](https://bit.ly/2wFFb7b))

*March. 2020*

- Designed a pure **React** implement **Chrome extension** with collapse features fitting modern website layout design.

### **Ghibli Hub**, ([//bit.ly/2QLLvSn](https://bit.ly/2QLLvSn))

*Nov. 2019*

- Built **iOS & Android** movie info application with **React-native** framework async calling Open **RESTful & GraphQL** Apis.

### **vDanbooru React**, ([//bit.ly/36lFH0i](https://bit.ly/36lFH0i))

*Oct. 2019*

- Designed a **Flux** pattern of **Reactjs, Redux & BlueprintJS** web application, vDanbooru Anime Image Search, supports user sign-up, log-in, adding favorites to collections, sharing to social media and searching by key tags.
- Connected to a real time Backend-as-a-Service(BaaS) **Firebase** with authentication and **Firestore** database for data management.

### **eBay Product Search**, ([//bit.ly/2oHaICo](https://bit.ly/2oHaICo))

*March 2019*

- Implemented native Java **Android** and **Angular7** web applications as front-end, integrating eBay search and Google image APIs. Created **NodeJS** & scalable **Express RESTful** APIs as back-end, routing all front-end calls to deployed **AWS** Elastic Beanstalk, and **Azure** cloud servers.

### 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](#))

*June 2016*