LINENG(VINCE) **CAO**

Seeking for Software Developer & Full Stack Developer position in Summer 2020 (Full-time)

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📍 Skills

- Java /.Net Development (Proficient):   *Java (Android), Csharp (UWP)*
- Full Stack Development (Proficient):   *JavaScript ES6, TypeScript, Angular, Reactjs / Redux, React-native, Nodejs, MongoDB, Flask*
- Others (Prior experience):   *Python, SQL, Unity, R, Swift, C++, Docker*

🎓 Education

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

💼 Employment

Frontend Developer (Student Worker) at **USC Information Sciences Institute**, Marina Del Rey, CA   *Nov. 2019 – Present*

- Created **draggable sorted React DnD** components and designed one **Linux-style Tab Auto-complete** component for DeterLab testbed of distributed experiment workflows (DEW) cyber experimentation (*//bit.ly/2YNtvZR*).
- Integrated existed DEW **Python** project into structured **Flask RESTful** backend Apis for receiving syntax suggestions and command translation.

Full Stack Intern at **Ustoshop**, West Covina, CA   *Oct. 2019 – Nov.2019*

- Implemented **MongoDB** connected poll pages with **Pug** template engine, **Bootstrap4** & **RxJS** libraries, 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 **Csharp** 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.

Web Development Intern at **SRIT Software**, Ningbo, China   *May 2018 – July 2018*

- Involved in developments of **5** responsive internal Trade & traceability Platforms for tracking trade settlements inside agricultural and livestock markets.
- 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.

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

Ghibli Hub, (*//bit.ly/2QLLvSn*)   *Nov. 2019*

- Built One **iOS** & **Android** mobile application with **React-native** framework async calling Open **RESTful** Apis (e.g. Studio Ghibli Api, TMDb Api) and AniList **GraphQL** Api, for fetching movie information and stage photos of Studio Ghibli.

vDanbooru React, (*//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,** using authentication feature and **Firestore** database for user data management and monitoring.

eBay Product Search, (*//bit.ly/2oHaICo*)   *March 2019*

- Implemented native **Android** application with **Java** and **Angular7 / PHP** web applications, integrating eBay searching and Google image Apis, allowing user to search products based on keywords, filters, and geolocation information.
- Created **NodeJS** & **Express RESTful** Apis as backend, routing all frontend calls to deployed **AWS** Elastic Beanstalk**,** and **Azure** cloud servers, providing optimized responses and extensive scalability for all frontend applications.

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*