LINENG(VINCE) **CAO**

Seeking for Software Developer position in Winter/Spring 2020 (Full-time Intern) & Summer 2020 (Full-time)

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SKILLS

Java /.Net Development (Proficient): *Java(Android), Csharp(UWP)*
Web Development (Proficient): *JavaScript, TypeScript, Angular, Reactjs / Redux, Nodejs, MongoDB, SocketIO, PHP*
Others (Prior experience): *Python, SQL, Unity, R, Swift, C++, Docker*

EDUCATION

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

EXPERIENCE

Full Stack Intern at **USTOSHOP**, West Covina, CA *Oct. 2019 – Present*
- Implemented one poll page with **Express** Backend in Alibaba Cloud server, paired with **Pug** template engine integrated with **Bootstrap4** and **MongoDB**, supporting Google phone number validation, **Axios** and **RxJS** HTTPS request, providing features of voting result demonstrating.
- Working on **Electron** framework to build **Angular** & **Ant-design Zorro** desktop web applications for the logistics platform.

Software Development Intern at **Bozhon (USA)**, Santa Clara, CA *May 2019 – Aug. 2019*
- Developed WinForms applications by **MVC** and **Singleton Class** design patterns of **Csharp** utilized in automation industry products for inspecting in the assembly production line.
- Built .Net DLL class library used for cropping raw image data from Visionpro with relevant edges, as a part of vision inspection.
- Collaborated with engineers on Factory and Site Acceptance Tests by **Git** control for verifying the products match requirements specs.

Web Development Intern at **SRIT Software**, Ningbo, China *May 2018 – July 2018*
- Involved in developments of **5** responsive internal web-based Trade & Traceability platforms for tracking trade settlements inside agricultural and livestock markets.
- Deployed user-friendly website pages with advantages of **Mustache**, **Jade**, logic-less templates, as well as **Echarts** and **Zepto.js** libraries, parsing **Json** collected from Java backend side, allowing the daily transactions to be more efficiently input by users, and market-wide trade settlements well visualized and monitored by supervisors.
- Created one pure **JavaScript**-based interactive navigation bar template with fully controlled by Json, had been merged into all platforms.

Software Development Intern at **Oracle (China)**, Beijing, China *Aug. 2016 – Aug. 2016*
- Enhanced registration & login web pages for Oracle BI Liquidity Management Reporting System (LMRS) for fitting requirements of responsive layout design and grouping users by permissions.
- Used **SQL** language paired with regular expressions for extracting and refining data from Bank of China inside Oracle Database (RDBMS) for identifying valid data inputs while cleaning up junk data.

SELECTED PROJECTS

vDanbooru React, *//bit.ly/36lFHo1* *Oct 2019*
- A **Flux** pattern of **Reactjs, Redux** & **BlueprintJS** implemented Anime image search web application, featured with user signup, login in, favorites collections. and tags searching.
- Backend is connected to a real time BaaS **Firebase,** using authentication feature and **Firestore** database for monitoring and scalability.

eBay Product Search, *//bit.ly/2oHaIC0* *March 2019*
- Implemented one material design **Android** application and frontend **Angular7 / PHP** web version, with integrated calls for eBay API and Google image API, allowing user to searching eBay products based on keywords, filters, and users' geolocation.
- Created separated **NodeJS** & **Express** backend with well formatted **Restful API**, processing all calls from a deployed **AWS Elastic Beanstalk** and **Azure** cloud servers, which provids extensive scalability and optimization in the future for different frontend platform.
- In both version of applications, fully-featured with autocomplete, IP detects, group sorting, offline wish list, and social media sharing.

Publication, **A Highly Customizable Parent-Child Word-Learning Mobile Game for Chinese Children with Autism** *(link)* May 2017
- Developed both UWP & IOS research applications with Csharp and Swift for analyzing memory development of children with Autism.

Publication, **"One Doesn't Fit All": A Comparative Study of Various Finger Gesture Interaction Methods** *(link)* *June 2016*
- Built Windows Phone 8.1 Application for collecting **12** combinations of input data from participants' gestures under **4** scenarios.