Jude Lim (*Ken Yoong*)
MS in Computer Science and Applications

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Github:
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Location:
Falls Church, VA

Portfolio:
https://kenlim4337.github.io/

I recently graduated with a Master of Science in Computer Science and Applications from Virginia Tech focusing on Human Computer Interaction, Data Analytics, and Machine Learning. I also have over three years of industry experience in Front End Development. My passion is developing and designing interfaces that bridge the gap between users and the complex data and software that drive modern systems.

Skills

Hard Skills
Front End Web Development, Data Analytics, Human Computer Interaction, Machine Vision Applications, User Experience, Conversion Rate Optimization, Responsive Web Design, User Acceptance Testing, A/B Testing, Web Analytics, Back End Web Development

Soft Skills
Teamwork, Problem Solving, Attention to Detail, Critical Thinking, Verbal Communication, Written Communication, Adaptability

Technologies
Web Technologies - HTML, CSS, SASS, LESS, Javascript, jQuery, React, Django, Flask, PHP
Data and Analytics - MySQL, PostgreSQL, Python, R, Google Analytics, Google Tag Manager
Design Tools - Adobe Photoshop, Adobe Illustrator, Invision, Figma, Miro, Balsamiq
Other Programming Languages -   Python, Java, C#, C
Version Control - Git

Languages
English(*Native*), Mandarin(*Intermediate*), Cantonese(*Intermediate*), Bahasa Melayu(*Intermediate*)

Education

2021 - 2023
Master of Science in Computer Science and Applications, Virginia Tech
Graduate Certificate in Data Analytics, Virginia Tech

2014 - 2017
Bachelor of Information Technology (Honors), University of Queensland

Publications
Co-author

Human-in-the-loop for computer vision assurance: A survey

Engineering Applications of Artificial Intelligence, Volume 123, Part B, 2023

Professional Experience

Research Assistant   **August 2021 - Current**
Crowd Intelligence Lab, Virginia Tech (*Arlington, VA, USA*) | Part-time

Designed and developed two full-stack web development projects. Also helped with writing and editing multiple publications.

- Proposed a novel pipeline that combines AI-powered reverse image search and user feedback to discover and cluster images with similar backgrounds.

- Designed and developed Backdrop Explorer, a web-based platform that allows users to search and subsequently sort Civil War portraits based on their background content.
- Redesigned the homepage of Civil War Photo Sleuth, a free, web-based platform and an online community to help identify unknown portraits of soldiers from the American Civil War era (https://doi.org/10.1016/j.engappai.2023.106376).

Frontend Developer (Conversion Rate Optimization)   February 2018 - July 2021
Conversion Kings (*Australia*) | Full-time

Increased conversion rates and revenue for over 40 national and international brands through the development, maintenance and analysis of over 250 A/B tests and web-pages.

- Developed pixel-perfect, responsive, cross-browser A/B tests and web-pages based on prototypes provided by designers.
- Reduced project turnaround time and missed bugs by 30% within the first half-year by implementing a standardized user acceptance testing process and managing the team surrounding it.
- Slashed training times for various processes by 50% by writing manuals to help on-board new team members.

Frontend Developer   March 2017 - November 2017
Gliding Queensland (*Australia*) | Freelance

Constructed a framework for the client's redesign efforts by providing feedback based on design and development best practices.

- Fixed existing issues and compiled recommended updates based on user experience principles.
- Documented website functions to help existing members easily access and modify published content.

Intern   December 2015 – February 2016
KPerak Implementation and Coordination Corporation (*Malaysia*) | Full Time

Delivered a full-stack project in the form of an internal employee assessment web application. The project was completed 2 weeks ahead of schedule and subsequently deployed with minimal rework.

Other Experience

Hacker & Crew   July 2017
GovHack 2017 (Australia)

Received honorable mention for the "Going places" national award category by developing a mobile web application. Also made sure participants were hacking in a safe and comfortable environment by helping set up the event location, providing technical support and preparing meals.

Other Certifications

2020
Advanced Google Analytics, Google Analytics Academy
Google Tag Manager Fundamentals, Google Analytics Academy

2019
15.071x The Analytics Edge, MITx on edX
Google Analytics for Beginners, Google Analytics Academy

2014 - 2016
Bachelor of Information Technology, University of Queensland

Hobbies and Interests

Cooking, Coffee Roasting, Embroidery