JIAHUI (KAREN) CHEN

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EDUCATION

UNIVESITY OF UTAH
Honors B/S in Computer Science & Math Minor – May 2020 – 3.87 GPA, 3.9 Major GPA

Languages/Skills: Python, Java, C++, JavaScript, Keras/TensorFlow, C, Docker

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TECHNICAL EXPERIENCE

SOFTWARE ENGINEERING INTERN – INSTAGRAM (FACEBOOK)
May 2019 to August 2019
Trained and deployed computer vision models that detect nudity and other negative content on Instagram. Monitored and improved media pipelines from classifier scoring to human review and downstream score logging.
- Created ensemble neural network and random forest models that are deployed in production, classifying billions of live Instagram uploads daily.
- Designed and implemented an auto-machine learning thresholding infrastructure to automatically adjust classifier score thresholds at which media is deemed violating.

EXPLORE INTERN – MICROSOFT ARTIFICIAL INTELLIGENCE & RESEARCH ORG
May 2018 to August 2018
- Created a boosted decision tree classifier for table header detection, improved existing header detection coverage by 2.6 times at 95% accuracy.
- Analyzed and processed millions of webpages. Constructed a data extraction and featurization pipeline.

SLATE PROJECT – CENTER FOR HIGH PERFORMANCE COMPUTING
November 2017 to December 2018
An experimental platform, implemented with Kubernetes, that hosts high performance computing resources and containerized research applications.
- Containerized the research data transfer application Globus using Docker.
- Configured the Helm Charts of over 15 Kubernetes applications and Deployed these applications on SLATE's Kubernetes clusters.
- One publication in 2018 and two papers currently under review.

CODE U SUMMER 2017 PROGRAM – GOOGLE
May 2017 to August 2017
Created the GUI, tokenized input, and helped implement persistent storage and access control features of a chat application created in Java.

LEADERSHIP AND SERVICE

AMBASSADOR – COLLEGE OF ENGINEERING, UNIVERSITY OF UTAH
November 2016 to present - Tours, outreach, and presentations for the College of Engineering.

FIRST LEGO LEAGUE OF UTAH CODIRECTOR – BENNION CENTER
April 2017 to April 2018 - Event and workshop planner for the FIRST Lego League of Utah program at The Leonardo Museum.

WOMEN IN STEM MENTOR – UNIVERSITY OF UTAH
May 2017 to May 2018 - Mentoring 10 freshman students, women in STEM group focus.

HONORS STUDENT ADVISORY COMMITTEE CO-CHAIR – HONORS COLLEGE
Vice President Aug. 2018 to present, Secretary Aug. 2017 – Aug. 2018
Student government of the Honors College at the University of Utah.