Junshen Kevin Chen

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Stanford University   M.S. Computer Science, 2021

University of California, San Diego   B.S. Computer Science, 2019

Oculus   Software Intern, 2019
Trained ML models for human pose reconstruction
Built web tools to visualize animated wireframes and model metrics
Work done with Python, C++, PHP, React, Three.js

Google   Software Intern, 2018
Designed and implemented data pipelining infrastructure for ad serving
Work done with C++, Python

University of California, San Diego   Teaching Assistant, 2017 - 2019
Managed a team of TA's and tutors each academic quarter
Designed programming assignments and automated tools to grade them
Held lab hours, taught discussion sessions and review sessions
Work done with Java, C++, C, ARM / SPARC assembly, Python

Sequential Action Recognition in Videos
Detect fine-grained, atomic action sequences using a 3D Long-term Recurrent Convolutional
Network (3D-LRCN), with original video dataset

Handwriting Recognition from Motion Data
Character classification with RNNs, word reconstruction with max likelihood estimation, with
original dataset of accelerometer and gyroscopic recording of letters

Recommending Related Academic Papers with Siamese BERT
Fine-tuned BERT to predict and recommend possibly-cited academic papers

On-topic Text Generation with BERT and GPT-2
Text generation with GPT-2, constrained by topic input with fine-tuned BERT

Game Agents for Paper.io
TD-learning agents for the imperfect information adversarial game

App Store Analytics
Coach of a high school team project, received honorable mention in 2019 Teradata Analytics
Challenge, with original dataset of app metadata from popular app stores

Auto-grader for Gradescope
A robust framework to handle grading programming assignments, with full integration with
Gradescope and convenient test case version control

Updated Jun. 2019