

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. 2020