# Chun-Hsiang (Shawn) Wang

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## WORK EXPERIENCES

**Google**, Sunnyvale, USA Software Engineer

• Working on Google Cloud AI Platform Online Prediction Service

Google, Sunnyvale, USA

Software Engineering Intern

- Improved the general-purpose label bot with 200+ users and 700+ repos by creating MLP classifiers for transfer learning to build personalized GitHub issue labelers and automated model training pipelines using Kubeflow
- Designed the end-to-end bot to do repo-specific label prediction, handled GitHub requests asynchronously using Cloud Pub/Sub on Google Cloud Platform and deployed issue label services in production on Kubernetes

National Chengchi University, Taiwan

**Research Assistant** 

- Improved the accuracy ratio of the traditional financial model by 18% for the next 60 months by implementing LSTMs with the custom pairwise ranking loss to do time-series prediction using TensorFlow
- Built a framework applicable to reviews in all domains to automatically generate domain-specific sentiment lexicons by applying representation learning and opinion mining using Python (appeared in AAAI'19, 1<sup>st</sup> author)

# Hewlett Packard Enterprise, Taiwan

Software Engineering Intern

- Speeded up server deployment 3X faster and initial setup 22% faster over previous generations by developing RESTful APIs and web applications to avoid redundant procedures
- Increased code coverage by 30% by executing unit tests, set up testing environments using Docker and implemented 100% automated end-to-end tests plus test result reporting on Jenkins for CI/CD

### **EDUCATION**

University of California San Diego, USA Master of Computer Science, GPA: 3.79/4.00 National Chengchi University, Taiwan Bachelor of Computer Science, GPA: 3.98/4.00

# SELECTED PROJECTS

### Recommender System

- Built translation-based recommender system on the basis of knowledge graph to do sequential prediction
- Improved the current state-of-the-art models by 1.2% of AUC on average in 15 real-world datasets

### Language Modeling

- Implemented n-gram models with Laplace smoothing and Kneser-Ney trigram language models in Python
- Designed open-address hash maps to do context encodings using Java

Apr 2020 - Present

Jun 2019 - Sep 2019

Aug 2017 – May 2018

Jul 2016 – Jun 2017

Sep 2018 – Dec 2019

Sep 2013 – Jun 2017

Apr 2019 – Jun 2019

Apr 2019