

Xuannan Dong | Resume

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Education

M.S. in Computer Science UNIVERSITY CALIFORNIA, SAN DIEGO	09/2021–06/2023 La Jolla, CA, U.S
B.S. in Electronic Engineering(Automation) and Artificial Intelligence UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA (USTC) 3.61/4.3, 86.16/100. Ranking:30/140. 2019, 2018, 2017 The First Prize Scholarship, School of Information Technology (TOP 6%)	08/2016–07/2020 Hefei, Anhui, China

Publication

1. Bang An, **Xuannan Dong**, Changyou Chen, *Repulsive Bayesian Sampling for Diversified Attention Modeling*, NeurIPS Workshop on Bayesian Deep Learning, 2019.

Experiences

Distributed File Storage System COURSE PROJECT	01/2022–03/2022 University of California, San Diego
<ul style="list-style-type: none">* Developed a networked file storage application that is based on Dropbox with Golang, users are allowed to sync files to and from the "cloud". Multiple clients can concurrently connect to the service to access a common, shared set of files via gRPC.* Implemented the application to function as a fault tolerant system based on the with RAFT protocol, which allow a collection of machines to work as a coherent group that can survive the failures of some of its members.	
Software Development Intern(Intel) INTERNSHIP	02/2021–09/2021
<ul style="list-style-type: none">• SpeechUI App<ul style="list-style-type: none">* Developed an intelligent voice assistant web App, enabled users to order food, book tickets, navigate, etc, in an integrated platform. Built UI, frontend structure with React, Redux, and Bootstrap, designed dialogue processing flow to offer users prompt and accurate responses.* Implemented navigation part. Applied Mapbox GL JS and related Plugins to support precheck for query, visualize realtime route information, intelligently offer route plan, etc.• NLP Data Collection Platform<ul style="list-style-type: none">* Designed frontend page for an NLP Data Collection Platform. Enabled users to input sample sentences, apply different NLP models, and labeled for the processed result.* Built Backend service for the platform. Received and processed RESTful request, applied Apache Thrift RPC framework to call NLU/NLP service, stored data and corresponding labels into MongoDB database.	
Yelp-like App Development COURSE PROJECT	11/2020–12/2020
<ul style="list-style-type: none">* Develop an application to realize basic functions of Yelp. Users are allowed to release and review a post on the homepage, make comments and score on other posts.Project Address,Source Code.* Utilized Sessions && Cookies for user authentication, AJAX to upload webpages. Dealt with common security problems such as Mongo Injection and Cross Site Scripting.* Applied Bootstrap to design webpages, Express module of Node.js to support backend service, and MongoDB as database. The project was deployed with MongoDB Atlas and Heroku.	
Data Mining Intern (Netease ThunderFire) INTERNSHIP	08/2020–11/2020 Hangzhou, Zhejiang, China
<ul style="list-style-type: none">* Collected and extracted game data with Hadoop and MySQL. Developed and maintained a Business Intelligence platform, visualized the analytic data with Python Django and Vue.* Utilized machine learning methods to make predictions on game trends. Worked across Finance, Player Analysis and was responsible for strengthening the connection between game players and game producers.	
University at Buffalo, AI Lab RESEARCH ASSISTANT	07/2019–09/2019 Buffalo, NY, USA
<ul style="list-style-type: none">* Improve the performance of a pervasive deep learning model Transformer on translation tasks by generating repulsive samples of	

the attention parameters, utilizing algorithms including Stein Variational Gradient Descent and Stochastic Particle Optimization.

- * Achieved state-of-the-art results on translation tasks, outperformed the baseline model by 0.8 BLEU value on small-scale the model and 0.9 BLEU value on the base-scale model

Skills

Programming Language C, JAVA, PYTHON, MYSQL, HTML, CSS, JAVASCRIPT.

Frameworks & Tools Node.js, React.js, BootStrap, Docker, Git.