

Dongji Feng

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EDUCATION

AUBURN UNIVERSITY
PHD IN COMPUTER SCIENCE
Jan 2019 - now | Auburn, AL

AUBURN UNIVERSITY
MS IN COMPUTER SCIENCE
Aug 2016 - Dec 2018 | Auburn, AL
Computer Science and Software
Engineering
GPA: 3.67 / 4.0

LINKS

Github:// dzf0023
LinkedIn:// DongjiFeng
URL: // DJweb

COURSEWORK

GRADUATE

Artificial Intelligence
Data Mining
Advanced Topics In Algorithms
Adv Computer Architecture
Adv Topics In Operating Sys
AI for Security
Adversarial Machine Learning
Database Systems
Wireless And Mobile Networks

TEACHING ASSISTANT

Intro to Algorithm
Cloud Computing
Information Retrieval
Game Design

SKILLS

PROGRAMMING

Proficient:
Python • Shell • Java •
L^AT_EX
Competent:
C • C++ • CSS • HTML
Familiar:
Assembly • MySQL • AWS • iOS.

RESEARCH

BIG DATA INTELLIGENCE LAB | GRADUATE RESEARCHER

Dec 2019 – current | Auburn, AL

EVALUATION IN IR

- Propose a new **framework** of IR evaluation with both upper and **lower bound** (UL) normalization of traditional metrics.
- I theoretically prove the correctness of computation of LB in different metrics, and systematically conducted the framework on ranking tasks evaluation.
- **Fairness** Improvement of IR evaluation.

EVALUATION IN NLP

- Propose a realistic UL of **ROUGE** (Text Summarization) and implication of this UL-ROUGE

AD-HOC UNSUPERVISED CONCEPT ANNOTATION

- Propose a **user-centric** automated concept annotation tool that will ensure maximum utility to its users.

AD-HOC MONITORING OF COVID-19 GLOBAL RESEARCH

- Propose an Ad-Hoc topic tracking: combination of zero-shot topic categorization and spatio-temporal analysis task.
- zero-shot classification methods and spatio-temporal visualization tool

Manuscript submitted to WWW, ACL, CIKM, SigIR

CURSOR LAB | GRADUATE RESEARCHER

Aug 2017 – Dec 2019 | Auburn, AL

Led the development of "Edspread", a game design helper tool with **Dr. Jakita Thomas**.
Framework: Django

EXPERIENCE

EVERBRIGHT TECHNOLOGY CO.LTD | SOFTWARE ENGINEER INTERN

May 2019 - Aug 2019 | Beijing, CHINA

- Recommendation System developer - Wrote and reviewed code for offline rec-system using python and Scala (Spark)

INDIVIDUAL PROJECTS

AUTHORSHIP ATTRIBUTION AND ADVERSARIAL ML

Dec 2018 | Auburn, AL

- A Elitist Genetic Algorithm-based ML attribution identification tool.
- Three imitation attacking and adversarial implementations to protect the dataset. Language: Python.

BATCH SCHEDULING SYSTEM

Feb 2018 | AUburn, AL

- Produce the AUbatch program that implements a Pthread-based Batch scheduling system. Language: C++.

ACTIVITIES

E-DAY, AUBURN UNIVERSITY VOLUNTEER

Assisted in introducing research topic for students and parents.

DISABLE UNION FEDERATION VOLUNTEER

Assisted disabled during union meetings. 3 days.