

MENG DONG

4A Computer Science and Statistics

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github.com/m7dong meng-dong.me/

Work History

2016-06 - 2016-09

Summer Research Intern

Swiss Federal Institute of Technology(EPFL), Lausanne, CH

- Worked in the Distributed Information System Laboratory.
- Implemented web crawlers to retrieve the data and launched data-driven analysis over three popular crowdsourcing forums using Spark.
- Exposed to Natural Language Processing and Information Retrieval techniques when analyzing forum posts and solving problems like coreference resolution.

2015-05 - 2015-08

Software Developer Intern

EMC Corporation, Burlington, ON

- Fixed bugs in Perl and KSH scripts for engineering automation framework in database backup and recovery team.
- Added test cases and documentations for various types of database.

2014-09 - 2014-12

Application Support Intern

Citigroup, Mississauga, ON

- Day to day application monitoring and delivering support to application users. Investigating and resolving application errors, data discrepancies and queries.
- Developed the web application AutoTask for multiple teams to automate the jobs executed with provided scripts with a team from scratch using Python.

Education

2013-09 - 2018-04

Candidate for Bachelor of Mathematics

University of Waterloo, Waterloo, ON

- Program: Computer Science and Statistics, Co-op
- Honours: President's Entrance Scholarship, Term Dean's Honours List

2016-02 - 2016-07

Exchange Student

Swiss Federal Institute of Technology(EPFL), Lausanne, CH

- Exchange student in communication system sector
- Courses taken: Distributed information systems, Introduction to database systems, Operating systems, Time series

Projects

Book Search Engine

Java | Oracle | SQL

- A book search engine supporting searching from more than 200,000 books written in Java. More than 30 filters are provided.
- Started from the database design and implemented the CRUD functionalities.

Fitts's Law HCI Experiment

Javascript | CSS | Python | Flask

- An Human-computer Interaction research project on how curiosity influences the result of Fitts's Law, a predictive model of human movement. Designed the experiments and developed a Flask application as crowdsourcing task interface.

Predicting Surveys' 'interesting' Rating

Python | Pandas | matplotlib | Jupyter Notebook

- An in-class Kaggle contest using data on participants and surveys to predict how "interesting" the participants would rate a survey
- Explored and compared multiple machine learning algorithms and ranked top 5 in the class.

Activities and Certifications

UW - Global Engagement Leadership Program

- Helping at regular events such as Campus Life Fair, Go Abroad Fair to promote Waterloo International programs.

Undergraduate Teaching Assistant

- Marker of undergraduate-level courses in Math faculty

Society of Actuaries Exam P/1, FM/2; Data Science Associate (EMCDSA)