

# MENG DONG

## 4B Computer Science and Statistics

### Work experience

#### Research Assistant

University of Waterloo

2017.1 - 2017.4

- Researched multilingual eDiscovery with the Information Retrieval Group
- Extended technology assisted review tool AutoTAR using Bash and C++ to experiment with collections of 12 languages. Extracted byte 4-grams features from the text
- Launched the experiments and compared the effectiveness of different methods.

#### Summer Research Intern

Swiss Federal Institute of Technology (EPFL)

2016.6 - 2016.9

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

#### Software Developer Intern

EMC Corporation

2015.5 - 2015.8

- Contributed to developing automated testing framework that interfaces with multiple databases and deploys code on multiple servers on the Backup and Recovery team
- Added test cases and documentations for various types of database.

#### Application Support Intern

Citigroup

2014.9 - 2014.12

- 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.

### Projects

#### Happy Diary

React | Electron

- A cross-platform desktop app to help users keep track of mood using sentiment analysis
- Equithon Finalist and First Place of Mental Health category

#### Fitts's Law HCI Experiment

JavaScript | CSS | Python

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

#### Blink

React Native | Firebase

- A multi-platform social app helping users organize group events
- The app supports basic CRUD operations for the events, participants invitation and location

### Education & Skills

#### Candidate for Bachelor of Mathematics

2013.9 - 2018.4 (Expected)

University of Waterloo

- Program: Computer Science and Statistics, Co-op
- President's Entrance Scholarship, Term Dean's Honours List
- UW - Global Engagement Leadership Program
- Marker of undergraduate-level courses in Math faculty

