Ziqi (Alan) Dong

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EDUCATION

Northeastern University, Shenyang, China   Oct. 2015-present

B.S. in Software Engineering

- GPA: 3.7/4.0, Rank: 7/60

Selected Courses: Computer Network, Operating System, Algorithm Design and Analysis, Principles of Computer Organization, Information System and Database Technology, Artificial Intelligence, Software Engineering

Nanyang Technological University, Singapore   Feb. 2018

- Short-term exchange program to foster the innovation ability in blockchain and AI

PUBLICATIONS

- **[Chaohe Zhang, Dancheng Li, Hongfa WU, Chunyan Han, Ziqi Dong, Hailong Li, Chen Ding]**, A Prediction Method of MicroRNA Based on TensorFlow Framework, [2017 CHINESE NATIONAL CONFERENCE on COMPUTERS APPLICATION (NCCA 2017)]

EXPERIENCES

Prof. Li's lab Northeastern University, China   Mar. 2017-June 2017

Research Assistant

- A neural network model is proposed to predict human pre-miRNA which is based on Google's TensorFlow machine learning framework, so as to achieve the aim of predicting miRNA.
- In this study, I am responsible for data finding and processing: using RNAFold17 software converting raw RNA sequence data to secondary structure.

Prof. Yu's lab Northeastern University, China   Dec. 2017- Jan. 2018

Software Engineering Internship

- Responsible for designing and developing a clinic document system for {school/hospital/company}.
- Designed the architect of the system and implemented the front-end interface using Vue.js.
- Deployed the beta version of the system, currently used by clinic in United States.

Undergraduate Student Innovation Project, Northeastern University, China   Dec. 2017-present

Project Leader

- Conducting research in developing deep-learning-based models to assist breast cancer screening and diagnosis.
- Leading a team of four in image processing and model building.

HONORS AND AWARDS

Meritorious Winner, American College Students Mathematical Modeling Contest   2018
Second-class Scholarship, Northeastern University   2017
Third-class Scholarship, Northeastern University   2016

SKILLS

Programming Languages: C, C++, Python, Java, HTML, JavaScript, PHP, XML, CSS
Software: PyCharm, Eclipse, SQL Server, IntelliJ IDEA, Sublime Text, CLion
Tools: TensorFlow, OpenCV