

# Wanning Ding

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Website: <https://dwn1998.github.io/>

## Education

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<b>Syracuse University</b> (Syracuse, USA)	08/2022-Now
Ph.D. of Computer and Information Science and Engineering (CISE)	
<b>Syracuse University</b> (Syracuse, USA)	08/2020-06/2022
Master of Computer Science GPA: 3.8/4.0	
Courses: Blockchain: Foundation & Application(4.0/4.0), Structure Programming & Formal Methods (4.0/4.0), Introduction of Artificial Intelligence (4.0/4.0), Design & Analysis of Algorithm (4.0/4.0), etc	
<b>East China Normal University</b> (Shanghai, China)	09/2015-07/2019
Bachelor of Engineering in Computer Science and Technology GPA: 3.4/4.0	
Courses: Programming Principles & C Language, Object-Oriented Programming (with Java), Natural Language Processing, Computer Networks, Digital Image Processing, etc.	
<b>Hong Kong Baptist University</b> (Hong Kong, China)	08/2018-09/2018
<b>University of California Berkeley</b> (Berkeley, USA)	06/2017-08/2017
Summer Session GPA: 3.8/4.0	

## Awards

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• Dos Attack defense Ethereum protocol fellowship	\$8k
• Master Program Tuition reduction	~\$20k
• Minority scholarship for outstanding students in 2018-2019 academic year	¥1k
• Third-class scholarship for outstanding students in 2017-2018 academic year	¥1k

## Project Experience

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<b>Deter Attack Defense</b> (Already merged into Geth)	10/2022- Now
<a href="https://github.com/ethereum/go-ethereum/pull/26648">https://github.com/ethereum/go-ethereum/pull/26648</a>	
<b>Mempool images/snapshots Reconstruction:</b> Collecting unconfirmed transactions and reconstructing mempool images/snapshots	07/2022-10/2022
<b>Smart-contract programs Analyzing:</b> For automated bug discovery by using an open-source tool Slither	06/2022-09/2022
<b>Crawled transactions Analyzing:</b> The transactions were collected from online BigQuery datasets/via crawling etherscan and uncovering interesting user/attacker behavior	03/2021-06/2022
<b>Instructional DEX smart contract Design:</b> designed and developed hands-on labs	11/2021-03/2022
<a href="https://github.com/BlockchainLabSU/SUBlockchainLabs">https://github.com/BlockchainLabSU/SUBlockchainLabs</a>	
<b>Semantic Similarity of sentences based on neural programmer</b>	04/2021-06/2021
<a href="https://github.com/dwn1998/NLP_similarity_based_on_neural_programmer-git">https://github.com/dwn1998/NLP_similarity_based_on_neural_programmer-git</a>	
<b>Stock Trading Algorithm Using Beam Search and LSTM</b>	08/2020-11/2020
<b>The Dialogue System</b>	10/2018-04/2019
Design and Implementation of End-to-End Dialogue Generation System Fusing Personality and Emotion	

Handwritten Digital Image Recognition, Stock Price Prediction, Typhoon Path Prediction, Analysis of Stock Trading Data, Information Retrieval and Search Engine 03/2018-07/2018  
**The Intelligent Recommendation System** in Case Judgment and Lawyer Recommendation 05/2017-04/2018

## **Extracurricular Activities**

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**TA for CSE 486 Design of Operating System**(Syracuse, NY) 01/2022-06/2022

**TA for CIS 467 Intro to AI in Syracuse University**(Syracuse, NY) 09/2021-12/2021

**Entry to the Laboratory** (Shanghai, China) 04/2017-06/2019

*Team Leader*, School of Computer Science and Technology

Designed and implemented the Intelligent Recommendation System in case judgment and lawyer recommendation and wrote the research report

## **Skills**

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- **Computer Skills:** frequently used Python, Solidity, Go, C and C++ Language, familiar with SQL, Java, Javascript, Linux, Haskell