Dixing Xu

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in linkedin.com/in/dex-xu   🔗 https://resume.dex.moe

Summary

I am interested in a wide range of topics including deep learning, reinforcement learning, IoT, blockchain, and portfolio selection. Besides academia, I also have experience in industry as shown on this page. Most of the time I am reading papers or working on open-source projects such as Hyperledger Fabric Python SDK and Cello. Occasionally, I also play guitar.

My Curriculum Vitae is available at: https://github.com/dexhunter/yaacv/releases

Experience

📖 Research Assistant
Hong Kong Baptist University
Oct 2020 - Present (2 months +)

Mentor
Hyperledger
Mar 2020 - Present (9 months +)
More info: https://wiki.hyperledger.org/pages/viewpage.action?pageId=29035315

Software Maintainer
Hyperledger
Sep 2018 - Present (2 years 3 months +)
Maintainer of Hyperledger Fabric Python SDK.

Software Development Engineer Intern
The Linux Foundation
May 2020 - Present (7 months +)
Working on Hyperledger Cello

Visiting Student Researcher
Zhejiang University
Sep 2019 - Mar 2020 (7 months)
Supervised by Prof. Peng Cheng at CSE (College of Control Science and Engineering)

Research Assistant
Nanyang Technological University
Mar 2019 - Aug 2019 (6 months)
Supervised by Prof. Rui Tan at CNCL (Computer Networks and Communication Lab)

Research Engineer (Blockchain)

Beihang University

Nov 2018 - Jun 2019 (8 months)

Research engineer working on blockchain systems at Research Institute of Beihang University (Suzhou), main contributions are:

* Course Design for undergraduates & Specification
* Application Development based Hyperledger Fabric

Software Development Engineer Intern

The Linux Foundation

Jun 2018 - Nov 2018 (6 months)

Part-time intern for Hyperledger Fabric Python SDK

See more at Project 6: https://wiki.hyperledger.org/internship/project_ideas

Research Assistant

Xi'an Jiaotong-Liverpool University

Nov 2016 - Aug 2018 (1 year 10 months)

Working with Dr. Jinjun Liang on portfolio management

Summer Undergraduate Research Fellow

Xi'an Jiaotong-Liverpool University

Jun 2017 - Aug 2017 (3 months)

* Research Topic: Style Transfer for Avatar Sketches with Enhanced Residual U-net and Deep Convolutional GAN
* Supervisor: Prof. Steven Guan

Summer Internship

National University of Singapore

Jun 2016 - Jul 2016 (2 months)

Working with Prof. Hon Wai Leong on Computational Thinking and Community Detection in Large Graphs

Solution Link:
https://github.com/DexHunter/NUS_RI2001A_16_ST_II

News Link (in Chinese):
http://www.nusri.cn/Web/Index/Viewnews?newsid=400

Education

University of Liverpool

Bachelor's Degree, Information and Computing Sciences

2015 - 2020

Xi'an Jiaotong-Liverpool University
Bachelor's Degree, Information and Computing Science
2015 - 2020

Hefei No.6 High School
High School Diploma
2012 - 2015

Alavuden lukio
High School Exchange
2012 - 2013

Licenses & Certifications

Build a Modern Computer from First Principles: From Nand to Tetris (Project-Centered Course) - Coursera Course Certificates
DEVV6888DFUM

Machine Learning Foundations: A Case Study Approach - Coursera Course Certificates
PYYUYDZV78MM

edX Verified Certificate for LAFF: Linear Algebra - Foundations to Frontiers - edX

edX Professional Certificate for How to Write a Novel: Structure & Outline - edX

edX Verified Certificate for Introduction to Apache Spark - edX

Data Mining with Weka - The University of Waikato

More Data Mining with Weka - The University of Waikato

Introduction to R - DataCamp
4f1bd8d6ac1d534506b5f18a273eb7fa7e395826

Intermediate R - DataCamp
52c9beb0815b0c29382eb570890b0738f874d768

Cleaning Data in R - DataCamp
50afa7a666cb3693603bc9b3b9a0cd32bda769c0

Kaggle R Tutorial on Machine Learning - DataCamp
6f03bc02473ce6fc9f00a9ed2a1ea595e4adefcb

Importing - DataCamp
1cf3ebb569a3631727ce4ff6eac87cd85b74997e

Duolingo French Fluency: Beginner (Estimated) - Duolingo

Duolingo Spanish Fluency: Elementary (Estimated) - Duolingo

Neural Networks and Deep Learning - Coursera
YLT5FJTW9CJP

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - Coursera
MS57EN638KQ5

Structuring Machine Learning Projects - Coursera
54YLXD4WURFE

Technical Support Fundamentals - Coursera
NH6GCFAS43MV

LFS171x: Blockchain for Business - An Introduction to Hyperledger Technologies - edX
5a968c3a16e64be9974f64b73f1984ce

LFS170x: Blockchain: Understanding Its Uses and Implications - edX
36dd133746b84aad9037cc1cd8a6ffe8

Professional Certificate in Blockchain for Business - edX
e1a0a624e24b4d3d8e571cba4d6ae5d0

GG101x: The Science of Happiness - edX
d7761acf076049de8cdc4158ecc427ce

Industrial IoT on Google Cloud Platform - Coursera
TBS3WZWTM6VG

The Bits and Bytes of Computer Networking - Coursera

DUW3J4ZFCVC2

Operating Systems and You: Becoming a Power User - Coursera
VDDKV6MREJ72

System Administration and IT Infrastructure Services - Coursera
R7JUVAP4NPH6

IT Security: Defense against the digital dark arts - Coursera
8EMN8RW2WJSC

Google IT Support Professional Certificate Specialization - Coursera
JXYSYVHWMQ9F

HKU_08x: Introduction to FinTech - edX
07d8f1f0e326416fb62fd7ee2183c0a0

HKU_10x: Blockchain and FinTech: Basics, Applications, and Limitations - edX
a8d956d6271748acb6e5335d0fbe071a

HKU_09x: FinTech Ethics and Risks - edX
a5a4dc700ef64b56bee1855e7f4008f1

FinTech - edX
3ccb5d063abf4046a2eea69ecfe459c5

Convolutional Neural Networks - Coursera
FY6QX5JBQ3CX

Skills

C • Java • Machine Learning • Python • Cascading Style Sheets (CSS) • C++ • Data Analysis •
Deep Learning • HTML • R

Honors & Awards

1st Prize, Hack x FDU 2017 Hackathon - Fudan University & HackX
Nov 2017
We combine blockchain and IoT to make a decentralized house renting platform. To see more details at
our project page: https://www.hackx.org/projects/169

(Hack x FDU 2017 is one of the largest college hackathons in China with more than 400 students from
high school to PhD participating)

2017 IBM Student Innovation Lab Program Award - IBM GCG University Partnership

Apr 2018

Photo archive URL: https://drive.google.com/file/d/1OurpPHFLFpkZHa2Bj1lFhXEMs94p5ABP/view?usp=sharing

2nd Prize, 2018 XJTLU & PNP AI Innovation Hackathon - XJTLU & PNP

Jun 2018

The project is based on our long-term research. We are trying to build a tokenized crypto-trading AI on top of ERC 20. We added sentiment data and we built a platform for others to view and verify our balances, transactions, portfolios and performance. In future, we would like to extend this project to a ERC 721 based algorithm exchange for both investors and algorithm developers.

3rd Prize, DoraHacks x BCH Faith Hack - DoraHacks x BCH Faith Hack

Jul 2018

We propose a decentralized non-fungible token atomic swap protocol for Bitcoin Cash (compatible with Bitcoin as well).

The properties of this protocol:
1. Non fungible asset standard
2. Non fungible asset ownership transfer
3. Non fungible asset atomic swap
4. User friendly UI and operations

1st Prize, 2018 EOS Hackathon Hangzhou (Team) - "柚子杯"黑客马拉松

Jul 2018

We made a game ecosystem based on makegirls AI generator. The girls can be generated and "have child" according to its noise/label or mixed with characters from other games. Developers can easier retrieve the information from the blockchain and use them on their own game.

3rd Prize, 2018 EOS Hackathon Hangzhou (Personal) - "柚子杯"黑客马拉松

Jul 2018

I am in charge of integrating makegirlsmoe platform. I actually trained another model based on animeGAN but the result is not as good as makegirlsmoe, so for the sake of the hackathon, we used the model of makegirlsmoe eventually.

Special Prize by Qtum ($10,000) - Wanxiang Blockchain Hackathon 2018

Sep 2018

Our project includes:
1. an atomic swap infrastructure between qtum & btc
2. atomic swap between qtum and qrc20 tokens
3. a dapp for house sharing (demo with raspberry pi)

Our project is open-sourced and hosted on: https://github.com/PRIEWIENV/QtumSwap

CNCF Diversity Scholarship - Linux Foundation

Sep 2018
- attends KubeCon + CloudNativeCon China 2018 in Shanghai
- represents Asian students
- recognized for open source contribution

Hyperledger Diversity Scholarship - Linux Foundation

Dec 2019
- attends Hyperledger Global Forum 2020 in Phoenix, AZ
- represents Asian students
- recognized for open source contributions

2nd Prize of 2020 XJTLU Block-chain Technology Application Innovation & Entrepreneurship Challenge - Xi'an Jiaotong-Liverpool University

May 2020