

Junchen Jin

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EDUCATION

Northwestern University, Evanston, IL, United States

Expected 2022-12

Master of Science in Analytics

Shanghai Jiao Tong University, Shanghai, China

2020-08

B.S.E in Electrical and Computer Engineering (Dual B.S.E Degree)

GPA: 3.85/4.00, Rank: 3/205

- Awarded the Tang Junyuan Scholarship (top 1%), the National Scholarship (top 2%), and SJTU Outstanding Graduate

University of Michigan, Ann Arbor, MI, United States

2019-12

B.S.E in Computer Science (Dual B.S.E Degree), Summa Cum Laude, Minor in Statistics

GPA: 4.00/4.00

- Worked as instructional aide for Machine Learning, individual tutor for Linear Algebra and grader for Computer Organization

Related Courses: Computer Vision, Data Mining, Database & Information Retrieval, Deep Learning, Graph Mining, Machine Learning, Optimization, Predictive Analytics, Statistical Computing, Web Systems

SKILLS

Programming: Python, R, SQL, C/C++, MATLAB, Java, HTML/CSS, JavaScript

Framework: PyTorch, TensorFlow, Hadoop

Languages: Chinese (native), English (proficient), Japanese (Intermediate)

Others: CFA Level I Candidate

PUBLICATIONS

- [Accepted with Minor Revisions] **Junchen Jin**, Mark Heimann, Di Jin, Danai Koutra, Towards Understanding and Evaluating Structural Node Embeddings, ACM Transactions on Knowledge Discovery from Data (TKDD)
- Peng Xie, Lin Qi, **Junchen Jin**, Jay Lee, A Novel Method for Wind Turbine Alignment Optimization, Asia Pacific Conference of the Prognostics and Health Management (PHMAP), July 2019

PROFESSIONAL EXPERIENCE

Bain & Company

Shanghai, China

Part-time Assistant Intern

2020-05 - 2020-08

- Assisted in digitalization and due diligence projects in industries including retail, internet, AI, and online advertising.
- Conducted vast literature research, cold call, expert interview, document organization and translation.
- Performed data cleaning and pre-processing using Excel, SQL, and Python, and extracted insights for decision-making.

CyberInsight Technology Co., LTD

Beijing, China

Data Scientist Intern

2018-05 - 2018-08

- Implemented and improved data-driven, mechanism-driven and hybrid health assessment models for wind turbines and PV panels.
- Initiated algorithm Quality Assurance procedure. Renewed technical document template brought 10× efficiency in deployment.
- Standardized algorithm development procedure, and contributed in UI/UX design for GenPro, an Industrial AI Modeling platform.
- Aided in project management, client communication and document composition. Assisted in 2019 campus recruitment campaign.

RESEARCH EXPERIENCE

Graph Exploration and Mining at Scale (GEMS) Lab

University of Michigan, Ann Arbor, US

Research Assistant supervised by Prof. Danai Koutra

2019-01 - Present

- Led a comprehensive empirical study on 10+ structural node embedding methods to understand their functionality and performance. Unified and contributed rigorous intrinsic and extrinsic evaluation methods referring to NLP and social science.
- Participated as core programmer and pipeline architect for robustness study on Graph Convolutional Network with heterophily.

Multidisciplinary Design Program: SOCR Big Data & Predictive Analytics

University of Michigan, Ann Arbor, US

Data Analytics Team Leader

2018-01 - 2018-12

- Led the data analytics team and worked with multidisciplinary experts in medical, computer science and data science to develop a risk prediction model for Type II Diabetes in Thailand with raw clinical and medical records from hospitals.
- Performed data cleaning, integration, transformation, sifting and visualization to preprocess and interpret the unordered raw data.
- Adopted machine learning and data mining methods to determine the risk factor of Type II Diabetes and its complications.

LEADERSHIP EXPERIENCE

Michigan China Forum 2018

University of Michigan, Ann Arbor, US

Director of Marketing

2017-10 - 2018-12

- Piloted the marketing team on market research, branding strategies, digital and conventional forum advertising via Facebook, WeChat, email, posters, flyers and promotion videos. Attracted 1,500+ audience and gained 10,000+ attention.
- Managed Public Relations. Connected with 20+ organizations and obtained 10+ local and global media coverage.
- Formalized the visual identity system and marketing specification. Estimated 150+ hours workload saving for future team.