

Zhihao Gong
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Education

2019.09 – present

College of Intelligence and Computing | Software Engineering

2021.03 – present

School of Foreign Languages and Literature | English (minor)

Academic Records

Grades Weighted Grades 93.14 | **GPA 3.93** | **Rank 1/131**

Mathematics & Core Courses Advanced Algebra(100) | Mathematical Analysis(98) | Discrete Mathematics(93)

Probability Theory and Mathematical Statistics(98) | Algorithm Analysis and Design(96)

Computer networks(95) | Operating Systems(94) | Datastructure(93.8) | Principles of databases(93)

English Qualifications CET-4 635 | CET-6 653 | IELTS 7.5

Skills and Interests

Programming skills Python & Pytorch | Java | C/C++ | JavaScript | Latex

Research Interest Machine Learning | Deep Learning | Natural Language Processing

Research Experience

2021.05 – 2022.03 iSTA Lab

Supervisor Prof. Junjie Chen

Topic A study on log-based supervised/semi-supervised models for anomaly detection

Work 1. Conduct an empirical study on state-of-art models (PCA, LogClustering, DeepLog, LogAnomaly, etc.) after reproduction.

2. Investigate unhandled problems on SOTA models on 5 different datasets.

3. Propose PCA++, an improved machine learning model based on PCA, which can boost effectiveness and efficiency in detecting log anomalies.

Publication FSE2022 (expected)

Coding Project

2019.10 – present Front-end Team, TWT Studio, Tianjin University.

Independently developed the front-end part of the project ‘Youth University Study’ (both mobile and online pages), which had over 10,000 visits weekly at Tianjin University.

Skilled at developing web pages with HTML, CSS, JavaScript and Vue.js.

Honor And Scholarship

2021.10 National Scholarship

2021.09 The National College Student Mathematical Modeling Competition, Tianjin Province, First Prize.

2021.04 MCM/ICM, Mathematical Contest in Modeling, Meritorious Winner. [PDF]

2020.10 Outstanding Student Leader at Tianjin University