ZHANG TONGJUN

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EDUCATION

National University of Singapore   Aug.2021 - Present

Bachelor of Computing, major in Computer Science, intend to focus on Network & Distributed Systems and Network Security

Stanford University   Jun.2020 - Aug.2020

High School Summer College, completed courses on Linear Algebra and Data Structures & Algorithms

SKILLS

Programming Languages	C++, Java, SQL
Markup Languages	LaTeX
Operating Systems	Linux
Tools	Vim, Git, Matlab, SpringBoot

WORK EXPERIENCE

Shenyang TianHe Automation Engineering Co. Ltd.   Jun.2021 - Aug.2021

Backend Developer   *Shenyang, CHN*

An online application/registration system for a high school.

· Implemented the workflow with SpringBoot
· Constructed the database on MySQL
· Set up the connection between SpringBoot and database with MyBatis
· Set up the cloud-server and deployed the project
· Conducted tutorial sessions for the client to familiarize the system

RESEARCH EXPERIENCE

Active Learning Model on Wind Turbine Power Generation Based on Polynomial Regression   Mar.2021 - Jun.2021

Co-author   *Shenyang, CHN*

A research project on using machine learning to predict the output of wind turbines. Full source code is available at https://github.com/albertZhangTJ/regression_based_machine_learning_to_predict_wind_power_generation. A research paper will be published shortly.

· Constructed the mathematical model on the machine learning process
· Implemented the model with C++
· Trained and tested the model
· Visualized the data with GNUplot
· Composed the research paper

CO-CURRICULAR ACTIVITIES

USA Computing Olympiad Bronze Division: Rank 1   Dec.2020

National Linguistics Olympiad: National Third Prize   Aug.2020

National Linguistics Olympiad: Regional First Prize   Apr.2020

High School Mathematical Contest in Modeling: Third Prize   Nov.2019