

Taimin Yang

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SKILLS

PROGRAMMING

Python
C/C++
VBA
SQL

MACHINE LEARNING

Regression
Support Vector Machines
Naive Bayes
K-Nearest Neighbors
Decision Trees
Cluster Analysis
Image Processing and Classification

BANKING

Basel-III
IFRS-9

SOFTWARE

MySQL and Access SQL
PostgreSQL
Linux System Administration

EDUCATION

PhD, Applied Physics

2015-2019, Stockholm University

MS, Material Physics, GPA=3.9

2012-2015, Central South University

BS, Material Physics, GPA=3.8

2008-2012, Central South University

EXPERIENCE

NORDEA BANK ABP | BUSINESS ANALYST

Sep 2019 – Now | Stockholm, Sweden

- Accounting and tax process automation using VBA and python
- Extract and analyze risk and treasury reports using SQL
- Produce regulatory reports in an agile team using agile methodology

STOCKHOLM UNIVERSITY | RESEARCH ASSISTANT

Apr 2015 – Jul 2019 | Stockholm, Sweden

- Designed and built machine learning data processing pipelines for collecting, storing and analyzing experimental datasets using python, QT, MySQL and pandas.
- Designed and executed the optimization of atomic models from images using machine learning methods.
- Designed and developed algorithms for processing 2D digital images to reconstruct 3D models.
- Perform statistical analysis with global optimization and machine learning methods.

China Petro. & Chem. Co. Ltd. | PROJECT CONSULTANT

Jan 2017 – Jan 2019 | Stockholm, Sweden

- Provided trainings and consultant services
- Helped SINOPEC to setup their own data collection and processing pipeline.

FINANCIAL DERIVATIVES ANALYST/TRADER (Part Time)

Dec 2016 – Current | Stockholm, Sweden

- Trading with S&P 500 futures and future options. Discovering trading opportunities by statistics and time series analysis
- Studied CFA level-one courses and passed CFA level-one exam

CENTRAL SOUTH UNIVERSITY | RESEARCH ASSISTANT

June 2012 – Apr 2015 | Changsha, China

- Designed an experiment logging system using QT, C++ and MySQL, which can record all the experiment data for the lab.