Nathan Truter

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LANGUAGES

Programming: Objectscript, Typescript, Dart, Java, Python, C (intermediate)

Spoken: English(fluent), Afrikaans(fluent), Chinese(elementary)

SKILLS

- Backend Financial services(Intersystems IRIS database)
- A.I. & Machine Learning(ScikitLearn/PyTorch)
- Mobile App Development(Android Studio,Flutter)
- Web Development (Typescript, Django/JavaScript,Css,HTML)
- Object Oriented Programming(Java)
- Databases(Intersystems IRIS database, PostgreSQL)
- REST(Swagger, custom API coding)

EDUCATION

Hunan Agricultural University/湖南农业大学 - Changsha, China

JUNE 2018 - PRESENT

BSc Computer Science Final Year

Pretoria Boys High School - Pretoria, South Africa

2005 - 2009

National Senior Certificate

Online Courses certification - Jovian

Machine Learning: GBMs (https://jovian.ai/certificate/MFQTKNRRGE)

Deep Learning with PyTorch: GANs (https://jovian.ai/certificate/MFQTKOBRGY)

Data Structures and Algorithms (https://jovian.ai/certificate/MFQTKNJVGM)

EXPERIENCE

SoftSplice, Pretoria, Gauteng- *Software engineering*

NOV 2021 - JAN 2025

- Work on and maintain **Backend financial services** using **Intersystems IRIS database**.
- Create and update **Web Applications** using **Typescript**
- Create new **Mobile Application** using **Flutter**
- Work on and maintain **High Value** payments project

Acquire English training centre, Changsha, Hunan - *Foreign Teacher*

MAY 2016 - JAN 2020

- English Teacher, 4 - 13 years old.
- Introductory - Advanced Level
- Designer of the new school curriculum

Christian Brothers' College, Pretoria - *Sports Coach*

JAN 2015 - DEC 2015

- Cricket Coach (Summer)
- Football Coach (Winter)

PROJECTS

Machine Learning: https://jovian.ai/truternathan/notebooks

- Image classification using ResNets, Regularization and Data Augmentation
- Sales prediction using Gradient Boosting Machines
- Weather prediction using Logistic Regression

Web Development:

- Django Personal Portfolio: https://nathantruter.pythonanywhere.com
- Todo App with Login Authentication: https://ntruter.pythonanywhere.com

Software Development: https://github.com/NathanTruter

- Webcam motion detector
- Face detection
- Web scraping
- Bookstore executable

ABOUT

I'm a computer scientist living in China. My interests include exploring new countries and their cultures, A.I. and its potential.