

Tuan Dat Nguyen

@ tuandat95cbn@gmail.com

Education

UNIVERSITY OF TRENTO

MS IN COMPUTER SCIENCE

📅 Mar 2023 📍 Trento, IT

HA NOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

ENGINEER IN COMPUTER SCIENCE

📅 April 2018 📍 Ha Noi, VN

Thesis Traveling salesman problem with multiple drones - Grade A+

Links

🔗 GitHub [tuandat95cbn](#)

in LinkedIn [tuandatnguyen](#)

🔗 cv [tuandatnguyen-longer-cv](#)

Skills

Self-study programming language •
Python • Java • Web development •
C/C++ • SQL • Nosql (redis, mongodb)
• Elastic search • Hadoop,
HDFS • Git • Nvim(vim) • Shell • \LaTeX •
Docker • Dask • Spark ...

SOFT

Communication • Presentation • Self
Study • Time Management

Honors

MERIT SCHOLARSHIP

UNIVERSITY OF TRENTO - 2 YEARS

3RD PRIZE - VNOI

MINISTRY OF EDUCATION AND
TRAINING

Recent Projects

OCEAN SOUND VELOCITY

UNIVERSITY OF TRENTO & OGS

📅 Aug 2022 - mar 2023 📍 Trento, IT
Build, extract, analyze, visualize, and
validate ocean sound velocity
dataset (big data), detect trends in
climate change situations.

HPC / parallel / copernicus / dask ...

OPTIMIZATION TECHNIQUES

HA NOI UNIVERSITY OF SCIENCE
AND TECHNOLOGY

📅 2014 - Oct 2017 📍 Ha Noi, VN
Study, implement, and practicalize
optimization techniques for
combinatory problems.

CSP / Local search / choco / cbbs ...

Experience

STUDENT SOFTWARE ENGINEER

ICONPRO - A.I. SOLUTIONS

📅 Dec 2021 - Present 📍 Aachen, DE

- Enhance software Automl :
 - Advanced Search, Multi-state progress screen, email template, chunking upload, integration test ...
 - Comprehend, improve, and refactor legacy automl core and backend code, increase performance, stability, and maintainability.
- Integrate Ares and automl:
 - Design and implement UI for Process Optimization module.

Python / flask / shap / reactjs / docker / devops / azure / k8s

SOFTWARE ENGINEER & SYSTEM ARCHITECTURE

DAILYOPT „LTD

📅 May 2018 - Dec 2022 📍 Da Nang, VN

- Planning and machine learning products: ViTrip, OCR, Agriculture planing, Trip planning, School bus routing, ...
 - Design and support the development of products.
 - Deploy, implement, and scale products on different environments (on-premise, cloud).

Java / Spring / docker / aws / gcp / flask / bottle / reactjs / mysql / sql server/ dotnetnuke

DATA ENGINEER

LIEN VIET TECH.,JSC

📅 Apr 2020 - Nov 2020 📍 Ha Noi, VN

- electronic Know Your Customer system: facesearch, face compare, check liveness **tensorflow serving / elasticsearch / mongodb / tensorflow...**

SOFTWARE ENGINEER

OLBIUS „JSC

📅 Jul 2017 - Jan 2019 📍 Ha Noi, VN

- SAPA, DMS:
 - working with big RDBMS (1k tables) and olap db.
 - ranking drivers.
 - performance test.

Java / Jmeter / pentaho (pdi) /jquery ...

DATA ENGINEER INTERNSHIP

VIETTEL CYBERSPACE CENTER

📅 Jul 2017 - Jan 2019 📍 Ha Noi, VN

- Vietnam digital knowledge system:
 - ranking feeds
 - automatic extract web data tool

scala / spark / hadoop / hdfs / kafka ...

ALGORITHM ENGINEER & RESEARCHER - UNDERGRADUATE RESEARCH

MSO LAB

📅 2014 - Oct 2017 📍 Ha Noi, VN

- Optimization techniques: planning transport system, timetable schedule, traveling salesman problems with multiple drones.
 - Design, research, and implement solutions for CSP.

choco / cbbs / cbbsvr / Greedy algo / GA / Tabu search/ SA ...