I am a physicist with a strong passion for coding and data analysis, honed through self-learning and practical experience. Throughout my career, I have successfully applied my programming skills to complex data analysis tasks, yielding insightful results and contributing to significant projects. I have also developed robust full-stack applications, utilizing both front-end and back-end technologies. I am now eager to transition into a data scientist role, where I can leverage my full-stack development expertise and analytical skills to drive data-driven decision-making and innovation.

LANGUAGES

Thai
English

CONTACT

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+66 61279 8098
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LINKS

PROFILE:
Github
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HOBBIES

AI for Research
NLP
FPGA
Blockchain

ARNON SONGMOOLNAK
POSTDOCTORAL RESEARCHER

EDUCATION

Khon Kaen University
2012-05-22 – 2016-07-05
He graduated with a 3.64 GPA of a bachelor's degree as science (physics) first class honors. The thesis topic is "Effect of stress and annealing temperature on crystal structure and magnetic property of IrMn thin film layer". It is the study of IrMn material which is a part of HDD reader head.

Suranaree University of Technology
2016-07-07 – 2023-07-24
He graduated with a 3.84 GPA of a doctoral degree in science (physics). The thesis topic is "Development of Monolithic Active Pixel Sensors (MAPS) Detector for Track Reconstruction in Proton Computed Tomography".

WORK EXPERIENCE

University of Bergen - Developer
2019-07-15 – 2020-01-15
A developer who develops TCP protocol to transmit/receive data between FPGA and computer by using C++.

Suranaree University of Technology - Postdoctoral researcher
2023-09-01 – 2024-08-31
A postdoctoral researcher who does academic research in the topic of medical physics.

SKILL

Programming:
Python, JavaScript, TypeScript, C, C++, Rust, Bash script, VHDL/Verilog

Web development:
HTML, CSS, ReactJS, Tailwind, FastAPI, NextJS, NodeJS, NestJS, Flutter

Data science:
ML/Deep learning, Scikit-Learn, TensorFlow, Numpy, Pandas, Matplotlib, Jupyter notebook

Database:
NoSQL, MySQL, PostgreSQL, SQLAlchemy

Tools:
Linux, Git, Docker, Blender, Generative AI, TMUX, Vercel, Heroku, Vivado, Geant4, AWS, Azure, GCP

DEPLOYMENT

1. Profile website (https://resume-frontend-chi.vercel.app/)
2. Student hub (https://yipdoc.vercel.app/)

CERTIFICATION

1. PCEP – Certified Entry-Level Python Programmer
2. Machine Learning Specialization

PUBLICATION

1. The Bergen proton CT system.
2. A High-Granularity Digital Tracking Calorimeter Optimized for Proton CT.