



Thear Sophal



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Objective

Apply for **Data Science Researcher**

Personal Information

Gender : **Male**
Nationality : **Cambodian**
Date of Birth : **24th July 1999**
Place of Birth : **Phnom Penh, Cambodia**

Internship, Job, and Other Experiences

August/2023 – Present

Data Science Researcher at Cambodia Academy of Digital Technology, Phnom Penh, Cambodia

Responsibilities:

- Digital Essential Skill Data Analysis Project
- Resume Ranking Base on Job Description Project
- Teaching Assistant of Information Visualization Course

February/2023 – July/2023 (Research Project)

Predicting Proteins Involved in Secretion Systems: A Large, Imbalanced Supervised Learning Problem at TIMC, Grenoble, France

Responsibilities:

- Study statistic information about protein data (~84 millions proteins)
- Cluster protein to reduce similar protein
- Find a suitable techniques to sample positive and negative class
- Create machine learning baseline to predict protein function and secretion system (ML modelling and analysis)

February/2022 – July/2022 (Research Project)

Data Life Cycle for Smart Building / Ontology Management with Cockroach DB in the context of Smart Building at LIG, Grenoble, France

Responsibilities:

- Study ontologies and data of the Smart Building
- Ontologies manage and conversion

July/2020 – July/2021 (Development)

Web Developer Intern and Officer at Phillip Bank Plc., Phnom Penh, Cambodia

Responsibilities:

- Mobile Banking Portal (Project), FATCA, Internal Request Form

- Internal Request Form (Project)

April/2020 – July/2020 (Research Project)

Khmer ASR for IoT Devices (University Research Project) at CADT, Phnom Penh, Cambodia

Responsibilities:

- Collect people's voice for the language model
- Build web application for managing lexicon + API
- Build Language model using CMUSphinx (speech recognition tool)

July/2019 – October/2019 (Development)

Strategy, Planning and Architecture Intern at Smart Axiata, Phnom Penh, Cambodia

Responsibilities:

- Support ETop Up Pinless API
- Ideamart – Weather alert service by SMS (Project – Web based)

Education

- Master Artificial Intelligence for One Health at Grenoble Alpes University (UGA), France
- Bachelor of Computer Science at Cambodia Academy of Digital Technology (CADT)
- High School 2017 – Grade B
- Australian Center for Education, Phnom Penh, November 2018, IELTS 6.0
- Paññāsāstra University of Cambodia (PUC), Part-time English Class, 2011 – 2013

Certificate and Awards

- French Government Scholarship 2021 (BGF)
- SmartEdu Scholar 2017 (Smart Axiata Scholarship)

Skills and Competencies

Python, PHP, Java
Laravel (PHP) – Web Development
MySQL, PostgreSQL, CockroachDB
Git, SQL, Web Hosting, Linux

Machine Learning and Data Science (Python)

Languages

Mother tongue : **Khmer**
Second language : **English**

References

Nelle VAROQUAUX

Researcher (TIMC, Grenoble, France)

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Rottana LY

Professor & Researcher (CADT, Phnom Penh, Cambodia)

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