

Sovanleng LY

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Education

- Université Paris-Saclay, Orsay**, Master in Computer Science, M2 AI 2024 – Present
- **Coursework:** Frugal AI, Signal Processing, Probabilistic Generative Models, Reinforcement learning, Deep Learning for NLP, Computer vision, Learning theory & Adv ML, Advanced optimization & automated ML, Text mining& chatbots
- Université Paris-Saclay, Essonne**, M1 in Applied Mathematics 2023 – 2024
- École Nationale Supérieure d'Informatique pour l'Industrie et l'Entreprise, Essonne**, Engineering program in Applied Mathematics 2022 – Present
- Machine Learning Project: Spaceship Titanic (Kaggle Competition) using Python(Numpy, Pandas, Scikit-learn,...)
 - Linear Regression Project : Breast Cancer Classification using Logistic Regression
 - **Coursework:** Pattern Recognition and Biometrics, Machine Learning, Data Analysis, Time Series, Linear Regression, Web development, Probability and Statistic, Operational Research, Simulation Method, Statistical Modeling.
- Institute of Technology of Cambodia, Phnom Penh** , Foundation Year 2019 – 2022
- **Coursework:** Calculus I, Calculus II, Geometry, Probability, Differential Equations, Mechanics I , Mechanics II, Thermodynamic, Electricity, Vibration and Wave

Experience

- AI Engineer Intern**, AI Farm Robotic Factory – Phnom Penh June 2024 – Aug 2024
- Three-month internship focusing on “AI for Ouk Chaktrang(Cambodian Chess)”
 - Created a Python module that accurately simulates Ouk Chaktrang rules and gameplay.
 - Created a Python module that integrates AI capabilities to play competitively against human opponent.
 - Created a Python module that creates Graphical User Interface (GUI) for players to interact with the module.
 - Skills: Reinforcement Learning, MCTS, Python(Pytorch, OpenCV, PyGame,Pyffish,...)
- Software Engineer Intern**, Paris Partners Softwares – Paris May 2023 – July 2023
- Two-month internship of first year focusing on “Study and Application of Natural Language Processing”
 - Create an application using API of LLM to analyze the CV of a candidate that apply for the job
 - Skills: Large Language Model, Prompt Engineering, Python(LangChain, Pandas, PyMuPDF,...)
- Cultural and Artistic Mediator Intern**, French Institute of Cambodia – Phnom Penh May 2022 – Aug 2022
- Guide the visitor to the exposition about French and Cambodian culture

Technical Skill

Programming Languages : Python,C, C++ ,R, SQL ,PHP, JavaScript, Latex

Tools: Git, Trello, VS Code, Visual Studio, Eclipse

Methodologies: Agile

Language

- Khmer : Native
- English : C1
- French : B1