Kittiwin Kumlungmak

kittiwin.kumlungmak@gmail.com
Tel: 063-912-8294
LinkedIn: https://www.linkedin.com/in/kittiwin-kumlungmak-285808125/
Github: https://github.com/Kittiwin-Kumlungmak

Education

Master of Science in Computer Science Aug 2021 - Present
Chulalongkorn University, Thailand

Bachelor of Science in Aerospace Engineering Jan 2016 - Dec 2019
Florida Institute of Technology, Florida, USA
GPA 3.95 **(Summa Cum Laude)**

Skills

Python, Scala, Java, SQL, MATLAB, C++, Scikit-Learn, Tensorflow, PyTorch, PySpark, RLlib, OpenAI Gym, Git, Docker, Google Cloud Platform, Terraform, Tableau, Fusion 360, Creo Parametric, 3D printing, GD&T

Experience

Thesis: Multi-Agent Deep Reinforcement Learning for Cryptocurrency Trading (On-going) Aug 2021 - Present
Chulalongkorn University, Thailand
- Exploit multi-agent technique for trading multiple tokens
- Simulate cryptocurrency market for training and testing
- Propose new reward function minimizing trading risk

Intern Data Engineer Apr - Aug 2022
Agoda
- Maintained and developed high-throughput real-time anomaly detection system
- Created API for third-party platform integration

Aerospace Engineer Feb 2020 - Jan 2022
HG Robotics
VETAL: Vertical Takeoff and Landing Unmanned Aircraft for Large Scale Surveys
https://www.hiveground.com/vetal/
- Designed and developed vertical takeoff and landing unmanned aircraft **(VETAL)**
- Performed material selection, fabrication, assembly and system integration
- Executed flight test for performance evaluation and optimization
- Customized design for specialized mission

Intern Test Engineer Jun 2017 – Aug 2017
Cisco Systems
- Prototyped web application capable of recording data and reporting abnormal situation
- Created dashboard for monitoring failure records of production lines

Capstone Project: NASA Robotic Mining Competition Jan 2018 – May 2019
Florida Institute of Technology, Florida, USA
- Designed and built robot for excavating, collecting, and delivering icy simulants on simulated Martian environment
- Led excavation and delivery subsystem to design and build excavation belt and delivery belt
- Awarded “Best in Show 2019” of aerospace engineering in 2019 Northrop Grumman Student Design Showcase

Honor

- Distinguished Student Scholar Award 2018 – 2019
- Summa Cum Laude 2019