



PrabakaranSanthosh

Machine Learning

Data Science

Embedded Systems

Research Assistant

Teaching Assistant

Programming

元智大學 | Research Assistant for Machine Learning

私立元智大學 | Electrical and Communication Engineering 碩士日間就讀中

桃園市中壢區 | 1年(含)以下工作經歷 | 希望職稱：Electrical and Electronics Engineer

I am an Electrical and Electronics Engineer with expertise in both hardware and software, focusing on Machine Learning, Signal Processing, and Embedded Systems. I have experience in developing AI-driven automation solutions and intelligent systems for real-world applications. I am open to roles in ML Engineering, Data Science, and Embedded/Hardware Engineering.

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特殊身分 外籍人士

學歷

私立元智大學 2023/9~2025/6
Electrical and Communication Engineering | 碩士日間就讀中
Paavai Engineering College 2017/9~2021/6
Electronics and Communication Engineering | 大學畢業

工作經驗

總年資 1年(含)以下工作經歷



Research Assistant for Machine Learning

2024/8~2025/1
6個月

元智大學 (大專校院教育事業 500人以上)

整體造型師 | 桃園市中壢區

Facilitated student mastery of advanced Machine Learning principles, such as Neural ODE, through effective mentoring, bolstering my communication and pedagogical skills.



Teaching Assistant for Engineering Probability

2023/1~2023/7
7個月

元智大學 (大專校院教育事業 500人以上)

助教 | 桃園市中壢區

Elevated analytical skills and precision over a 6-month tenure as a Teaching Assistant, orchestrating course delivery and spearheading tutorials for Engineering Probability.

求職條件

- 希望性質全職工作
- 上班時段日班、可配合輪班
- 可上班日錄取後一週可上班
- 希望待遇面議
- 希望地點新竹縣市、台中市、新北市、彰化縣、高雄市、桃園市
- 遠端工作只能遠端工作

- 希望職稱Electrical and Electronics Engineer
- 希望職類助理工程師、電子工程師、硬體研發工程師、資料科學家、AI工程師

自傳

I have always been passionate about technology and its potential to solve real-world problems. My journey in engineering began with a fascination for electronics, which led me to pursue a Bachelor's degree in Electronics and Communication Engineering. During my studies, I discovered my interest in machine learning and data science, prompting me to further my education with a Master's degree. I have gained valuable experience through various projects and research roles, where I honed my skills in programming, data analysis, and machine learning. I am excited to continue my career in this dynamic field, contributing to innovative solutions that make a difference.

證照

其他證照

Programming for Everybody | University of Michigan, Introduction to Data Engineering | IBM, Spark, Hadoop and Snowflake for Data Engineering | Duke University, Virtualization, Docker and Kubernetes for Data Engineering | Duke University, Data Visualization with Python | Duke University, Machine learning with Python | IBM, AWS Cloud Foundations | AWS, Entrepreneurship Development Program | Paavai Engineering College

專長

Machine Learning

#PyTorch #tensorflow #Keras #scikit-learn #Computer Vision #Python #C++

Data Analysis

#Tableau #Power BI #Python

Embedded System

#VHDL #C++ #FPGA #Visual Studio #Python

語言能力

英文

聽/中等 | 說/中等 | 讀/中等 | 寫/中等

中文

聽/中等 | 說/中等 | 讀/中等 | 寫/中等

Wireless V2V communication between unmanned vehicles

2019/1~2019/5

Established communication between vehicles and share useful informations such as speed, distance, applying brake or not, etc., to reduce the chances of accidents. And also proposed wireless charging using tesla coil by increasing the frequency channel to avoid power wastage.

[前往查看 >](#)

Channelwise ConvTasnet with Neural ODE

2024/1~2024/5

Replaced traditional mask estimation part in channel wise weighting method of convTasnet with Neural ODE models to improve better adaptability and accuracy for noisy environments thus by reducing the computation cost and high accuracy than the traditional system

[前往查看 >](#)

Neural ode integrated Multislice channelwise ConvTasnet

2024/5~2024/9

Proposed a Multislice fusion technique of channelwise weighting convTasnet and used the neural ode to estimate the masking thus achieving better accuracy and improving the system by 7%

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Voice cloning

2024/8~2024/9

Coded a voice cloning project using the Tortoise tts text to speech, the project will use our own voice to read the text given.

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Youtube retention analysis

Used google api to analyse the retention rate of the youtube teaching video and did retention analysis to improve the content

[前往查看 >](#)