Feng Yue Xin
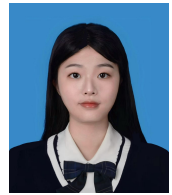
Kuala Lumpur   cathyfeng879@gmail.com   0-11-2412-3574
cathyfyx.github.io   linkedin.com/fyx   github.com/cathyfyx

Summary

I am a 2nd year undergraduate student in computer science and currently seeking an IT internship opportunity to contribute technical skills and drive high-quality results. My rich experience in project completion and problem-solving abilities, coupled with my proficiency in software technology and network, make me a valuable asset to any organization.

More details can refer to my homepage/cathyfyx (include **Projects, Extracurricular Experiences** ...)

Education

Universiti Malaya, Bachelor of Computer Science in System and Network   October 2023 – March 2027
- CGPA: 3.62/4.0
- Relevant Coursework: Data Structure, Operating Systems, Database, Algorithm Design and Analysis, Advanced Network Technology, Computer System Architecture, Hardware Description Language, Machine Learning...

Project Experience

Flight Booking System   github.com/flightBSys
- Develop a platform including User Login, Navigate and Search for Flights, View Flight Details, Book a Ticket, Check Ticket Status, Edit Ticket Information, Cancel Ticket.
- Technique: Graphical User Interface, Java, IDE

Photo Editor Developer   github.com/fotoeditor
- Develop a full photo editor application including Pixel Manipulation, Interactive Drawing Tools, Image Filters.
- Technique: Image Processing, Java Swing, JDK

Network Security Configuration   github.io/projects/net
- Implement routing and forwarding including OSPF, BGP, GRE tunnel to a remote network.
- Configure high availability and redundancy including HSRP, STP, EtherChannel.
- Enforce security policy (ACL, DHCP, BPDU) and set up monitor (NTP, SNMP, Syslog server)
- Technique: GNS3, PRTG, Cisco IOS, Packet Sender

Mininet on Ubuntu   notion.com/mininet
- Create a Software-Defined Networking topology with four hosts and five switches in Mininet.
- Define the custom routing logic, install the flow rules, test and troubleshoot the paths.
- Technique: SDN, OpenFlow, RYU Controller, OVS

Database System for a Tuition Center   drive.google.com/db
- Maintain the database in a tuition center after normalization including student information, attendance, academic performance, fee collection.
- Technique: SQL, Oracle Database, ERD, DDL, DML

Algorithm Problem-Solving   colab.google.com/algo
- Analyze seven problems including A* Search, Filter, Heap Sort, Greedy, Dijkstra's, Dynamic Programming.
- Technique: Python, Data Visualization, Heap

Skills

Software: Java | Python | C | SQL | HDL | SSH | Cisco IOS CLI | JavaScript | HTML | CSS | Matplotlib
Technologies: VScode | GNS3 | VMware | Ubuntu | ModelSim | Quartus | SQL Developer | SPSS | Anaconda
Others: UI/UX | Figma/Wix | Agile Project Management | Overleaf/Latex | Microsoft Excel/PowerPoint/Word