

Ivan Chu

Computer Science

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CAREER OBJECTIVE

Collaborative computer science graduate. Eager to apply my technical skills and knowledge to contribute to innovative software solutions and advance in a dynamic and collaborative work environment. Committed to continuous learning and staying updated with the latest industry trends and technologies. Seeking an opportunity to utilize my programming expertise, analytical mindset, and strong communication skills to drive the success of a leading technology company.

RELEVANT PROJECTS

Digital Medical ID Bracelet

University of Texas

📅 August 2022 - May 2023

- Developed a Medical ID bracelet that serves as a storage device for important medical information, designed to assist medical professionals in providing effective care.
- Utilizing an NFC chip, the bracelet links to a dedicated website and employs a unique key to access the user's account.
- The target audience for this product includes medical professionals and individuals who wish to securely store their medical information for easy access and retrieval.
- Software used: TagXplorer (tool for PCs to read, analyze and write into NFC chips), NFC Tools (allows you to read, write and program tasks on the NFC chips)

Fire Extinguishing Robot

University of Texas

📅 August 2023 - December 2023

- Developed a Lego robot capable of navigating a maze, stairs climbing, locating a fire, and extinguishing it.
- Utilized Ultrasonic sensor, Infrared Sensor, and also color sensor
- Software used: Lego Mindstorm EV3 (Visual programming environment designed specifically for the LEGO robot), VS Studio (For Python programming)

EDUCATION

Bachelor of Science in Computer Science

University of Texas

📅 Graduated (Dec 2023)

📍 Arlington, TX, USA

RELEVANT COURSES

Data Structures

Algorithm Design

Database Management Systems

Artificial Intelligence

Machine Learning

Unmanned Vehicle System

Engineering Probability

Information Security

SOFT SKILLS

Communication

Problem Solving

Teamwork and Collaboration

Adaptability and Flexibility

Time Management

Creativity

Critical Thinking

Patience

Project Management

WORK EXPERIENCE

Petz Mania

- Front DeskFeb 2021 - Mar 2022
- Scheduled Appointments:** Coordinated and managed appointments and reservations, ensuring efficient use of time and resources.
 - Addressed Complaints and Issues:** Responded to visitor complaints and issues, providing solutions or escalating matters to management as necessary.

China Factory

- Cashier & Kitchen AssistantJan 2020 - Jan 2021
- Handled Cash and Banking:** Accurately counted and balanced cash and coin, and ensured the security of cash and financial transactions.
 - Supported Team:** Collaborated with team members and supervisors to ensure efficient store operations and a positive dining experience for customers.

GreX Multimedia

- IT PromoterJan 2018 - Mar 2018
- Provided Technical Support:** Offered technical assistance and support during product demonstrations and after sales, addressing any issues or concerns from clients.

TECHNICAL (IT) SKILLS

- Programming Software:** Visual Studio Code, Eclipse, Notepad++, Git, Android Studio
- Programming Language:** C/C++, Python, Java, HTML
- Operating System:** Linux/Unix, Windows
- Software Development:** Object-Oriented Programming (OOP)
- Database Management:** SQL (MySQL, SQLite), NoSQL (MongoDB), Database Design
- Machine Learning and Data Science:** Machine Learning Algorithms, Deep Learning (TensorFlow, PyTorch), Data Analysis and Visualization (NumPy), Big Data Technologies (Hadoop)
- Network and Security:** Network Protocols (TCP/IP, HTTP/HTTPS), Firewalls and VPNs, Cybersecurity Principles
- Software Engineering Practices:** Agile/Scrum Methodologies, Software Testing and Debugging, Code Review and Quality Assurance
- Project Management:** Project Planning and Execution, Resource Management, Risk Management, Stakeholder Communication
- System Design and Architecture:** Design Patterns, Scalability and Performance Optimization
- Completed various types of projects such as Digital Medical ID Bracelet, Auto Stairs Climber Robot, Fire Extinguishing Robot, Maze Navigation Robot, AI Connect 4 game, GPS route searching and other projects.

VOLUNTEER EXPERIENCE

- Discord Developer
- Made a Music Bot with Java
- DREAM Venture Labs Remote Volunteer
- Web Design with HTML

LANGUAGE PROFICIENCY

Languages	Speak	Write
English	Excellent	Excellent
Chinese	Excellent	Average
Malay	Good	Good
Japanese	Good	Good

INTERESTS

- Artificial Intelligence
- Machine Learning
- Game Development
- Video Games
- Traveling
- Music