Zhecheng Li

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github.com/psyvalvrave

Education

Northeastern University Vancouver, Master of Science in Computer Science

- GPA: 4.0/4.0
- **Coursework:** Programming Design Paradigm, Foundations of Artificial Intelligence, Database Management Systems, Pattern Recognition and Computer Vision, Mobile Application Development, Web Development, Algorithms, Research Capstone.

Suffolk University, Bachelor of Science in Computer Science

- GPA: 3.6/4.0
- **Coursework:** Computer Networks, Object Oriented Programming, Data Structures and Algorithms, Data Science Concept, Operating Systems, Architecture of Computer Systems, Database Concepts.

Experience

Dell Technologies – Software Developer Intern   Oct 2022 – Feb 2023
Shanghai, China

- Improved machine learning models by modifying training data and adjusting data types using PyTorch, TensorFlow, and Keras.
- Tested and debugged an embedded system on a Raspberry Pi integrated with R/C cars, leveraging Linux command-line utilities to validate real-time performance.
- Leveraging Python, Django, and REST APIs to develop a dynamic website that lets users remotely control a car from various locations has been an exhilarating and innovative experience.

Xixi Food Company – Full-Stack Development Intern   Feb 2021 – May 2021
Hainan, China

- Designed and implemented a front-end web page to streamline inventory management.
- Developed and integrated a MySQL database for efficient storage and retrieval of product inventory data.

Projects

Mobile App Development   Find My Lease

- Developed a mobile app for managing property leases using React Native for cross-platform functionality.
- Integrated Firebase for user authentication, data storage with NoSQL, and real-time interactions.

Java Game Development   Kill Dr. Lucky Board Game

- Programmed a board game using Java and object-oriented design principles.
- Implemented complex game mechanics including NPC movement and interactive elements.

Automation, UI & Workflow Integration   Elvui Freebie

- Leveraging Selenium to automate web interactions and perform background update checks.
- Designed a modern user interface using QT combined with basic CSS for a clean, contemporary look.
- Demonstrates proficiency in integrating workflow automation and action-based triggers.

Skills & Technologies

- **Programming:** Python, Java, JavaScript, C#, C++, SQL, PHP
- **Technologies:** React.js, React Native, Node.js, Express.js, Django, AWS, Windows, Linux, Git, REST API
- **Database Management:** MySql(Azure, Amazon RDS), NoSQL(MongoDB Atlas), PostgreSQL, Redis
- **Libraries & Frameworks:** TensorFlow, Keras, pandas, sklearn, OpenCV, MATLAB