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Seavmey Sun

EDUCATION

PURDUE UNIVERSITY   **May 2024**
Bachelor of Science in Computer Science
Courseworks: Computational Theory, Data Structures, Programming Language, IoT, Security, Computer Architecture

EXPERIENCE

11/2022 – 05/2024   **Assessable Student Professional**
- Respond to data-related inquiries from colleagues and management in a timely and effective manner
- Contributed to development of enhanced data entry procedures aimed at improving work efficiency
- Utilized Microsoft Teams and Slack as communication platform

05/2023 – 05/2024   **Virtual Reality Model Microfabrication - Researcher**
- Utilized Blender for 3D animation and modeling to create an immersive VR environment for application
- Design and animated complex model using Blender, integrating them into VR for detailed simulation
- Developed and implemented scripts to animate 3D model
- Conducted rigorous testing of VR models to ensure accuracy and performance

05/2023 – 05/2024   **Teaching Assistant in Computer Security**
- Worked with professor to simplify learning materials
- Held one-on-one sessions to address questions, provide guidance and assist with complex security concepts
- Graded assignments and exams, providing feedback to support student learning

Project

Encryption Software: Python
- Designed and implemented encryption algorithms to ensure data protection and communications.
- Developed and tested encryption software with robust features for encryption and decryption, ensuring enhanced data security and process reliability

Smart Parking System: C++
- Using C++ on Raspberry Pi, integrating GPIO for LED indicators and testing with ultrasonic sensor, electromagnetic field detection, and infrared to provide real-time space availability.

Expense Tracking App: Dart
- Allows users to customize and categorize expenses with icons and colors.
- Includes a bar chart for spending analysis and a summary card displaying balance and income/expense breakdown.

SKILLS

Languages: Java, C++, Python, SQL, JavaScript, TypeScript, Dart
Technologies/Frameworks: MS SQL Servers, Firebase, NoSQL, NextJS, React, Flutter
Soft Skills: Problem Solving, Communicatioin, Adaptability, Technical Writing, Quick Learner