Pyae Phyo Hein

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EDUCATION

Monmouth College   **May 2020**
Bachelor of Arts in Computer Science, Bachelor of Arts in Physics   GPA 3.0/4.0
Minor in Mathematics

Relevant Coursework: Data structure (C++), Object Oriented Programming (Java), Software Engineering, Machine Learning, Computer Networking, Electricity & Magnetism, Quantum Mechanics, Computational Methods

SKILLS

Language Skills: English (Intermediate), Burmese (Native), Chinese (Conversational)
Technical Skills: C++, C#, Java, x86 assembly, Python, PostgreSQL, LaTeX, git
Technologies/Environment: Windows, MacOS, Linux, GitHub, Eclipse, Spyder, Visual Studio, Unity

EXPERIENCE

Machine Tools Intern   **Summer 2019**
Jupiter Machine Tool
- Developed a campus map Augmented Reality application with C# in Unity
- Implemented navigation experience for user
- Designed and implemented user interface for the application focusing on usability

Pegasus Machine Tool
- Introduced to Computer Numerical Control (CNC) machines
- Learned and built a standard 1"x 2"x 3" measurement block using a vertical CNC
- Tested quality of the products with standard measurement and separated into qualified/non-qualified groups

Software QA Developer Intern   **Summer 2018**
SoftComm Technology (e-biz dimension of KMD)
- Built Distribution Modules (Purchase, Inventory, Invoicing and Sales) for data entry using Odoo ERP
- Created a PostgreSQL database for a web application with Odoo ERP
- Tested and debugged the built application accordingly to the users' needs

AV Multimedia Crew   **February – May 2019**
Monmouth College, Monmouth, IL
- Worked with electronic devices especially sound system
- Set up and control the audio/visual and lights for events on campus

IT Support   **August 2013 – May 2015**
Mighty Force Mobiles & Service, Yangon, Myanmar
- Installation of firmware and applications for mobiles and completed mobile hardware repair
- Customer service related to mobile (setting, bills, etc.)

ACADEMIC RESEARCH AND PROJECTS

Research in Quantum Computers   **Fall 2018 – Winter 2019**
Monmouth College, Monmouth, IL
- Built qubits gates and ran simulations using Criq library in Python
- Coded each stage from HelloQuantum and analyzed the data
- Simulated quantum mechanical systems using openFermion library
- Gathered theta value to get the lowest energy level of an atom

HONORS and AWARDS

International Distinguished Young Leader Scholarship (2017 -2020)

LEADERSHIP AND INVOLVEMENT

- International Club - Public Relations (August 2017 - May 2018)
- Association for Computing Machinery (August 2017 - May 2020)