Sugianto

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EDUCATION

Nanyang Technological University, Singapore   **Aug 2020 – Dec 2023 (Expected)**
- **Bachelor of Engineering (Computer Science)**
- Tuition Grant Holder; Eligible for Employment Pass
- Specialization: Artificial Intelligence, Data Science & Analytics
- Expected Honours (Highest Distinction), CGPA: 4.54/5.00
- Achieved Distinction in: Algorithm Design & Analysis, Data Structure & Algorithm
- Relevant Modules: Advanced Software Engineering, Database System Principles, Algorithm Design & Analysis, Intelligent Agents, Artificial Intelligence

Nanyang Polytechnic, Singapore   **Mar 2017 – Mar 2020**
- **Diploma in Information Technology with Merit**
- Director's List for all Semesters, CGPA: 3.99/4.00
- Relevant Modules: Smart Device Development & Project, Object-Oriented Design & Project, Database Management Systems

ACADEMIC PROJECTS

Nanyang Technological University, Singapore
Final Year Project
Title: Virtual Reality (VR) Table Tennis Player   **Jan 2023 – Dec 2023**
- Developed an immersive VR table tennis game that includes match play with an AI bot and practice mode with a ball shooter machine using Unity and C# language; responsible for every phase of the project.
- Applied Event-driven Programming to enhance game logic and Quaternion Math for rotation calculations.
- Achieved high accuracy in the physics of the table tennis ball; completed it within 5 months despite being new to VR Game Development.
- Recognized and approved by the school for the project to be showcased at the upcoming TechIgnite 2024 and NTU Open House event.

Advanced Software Engineering
Title: SGEvents - Cross-Platform Event Management Application   **Feb 2022 – Mar 2022**
- Implemented a cross-platform application that enables organizations to post events and users to sign up for the events using Flutter SDK and Dart language.
- Led a project team of 6 and enforced the Agile methodology throughout the Software Development Life Cycle (SLDC) stages; acquired teamwork and resource management skills.

Software Engineering
Title: Automated External Defibrillator (AED) Locator   **Aug 2021 – Dec 2021**
- Created an Android mobile application using Java language with Android Studio IDE; incorporated API with real-time AED location data and Google Maps API for navigation.
- Employed the Waterfall SDLC to ensure smooth development; acquired project management and time management skills.

Nanyang Polytechnic, Singapore
Final Year Project
Title: Resource Management Web Application for Classroom Learning   **Aug 2019 – Sep 2019**
- Designed and built a C# web application utilizing the Model-View-Controller framework; supported with Bootstrap and jQuery packages for responsive web design; completed within 1.5 months.
- Integrated with Microsoft Azure and AWS Cloud services for their AI and Machine Learning services and optimized interface for GPU resource management, virtual machine usage quotas, and automated scheduling.

Smart Device Development & Project
Title: iLyfe - iOS Mobile Fitness Application   **Mar 2019 – Jul 2019**
- Programmed and constructed an iOS application using Swift language with Xcode IDE; deployed 'Yoga Tracker' to evaluate users' yoga poses using Human Pose Estimation with Computer Vision.
- Acknowledged by the school and featured in the NYP Open House event; participated in Splash Awards 2019 with this project.

WORK EXPERIENCE

OneConnect Financial Technology (Singapore)   **Jul 2022 – Dec 2022**
Software Developer, Intern
- Improved user and software documentation of product for internal use by the development team using Markdown; participated in Daily Scrum meetings by sharing progress made using Tencent Meeting.
- Contributed to Front End Development across both iOS and Android platforms by performing debugging using Xcode and Android Studio's interactive debugging tools and Git's Version Control System.
- Supported the team with packaging and writing technical documentation of new releases for clients, achieving CI/CD practice.
- Offered customer service and support through Microsoft Teams for integrating and bug fixing on Apache Cordova; acquired critical thinking and communication skills.

EY Singapore   **Jan 2020 – Mar 2020**
Software Engineer, Intern
- Enhanced tax computation efficiency by developing C# Windows Forms application with Microsoft SQL Server Management.
- Completed 5 projects that included PDF data extraction, automated conversion of PDF documents to forms applications and vice versa, and tax form processing; heightened productivity of tax computation as a result.
- Acquired information literacy and adaptability skills as tax is new to me and research is needed for project understanding.

LEADERSHIP & CO-CURRICULAR ACTIVITIES

Tchoukball Nanyang Technological University   **Jul 2022 – Mar 2023**
Vice-Captain
- Organized camps and activities for a 40-member club, handling planning and execution; co-managed the club with the Captain, overseeing training sessions and guiding new members.
- Attained 1st Runner-Up in both Singapore University Games 2023 and 10th Inter Tertiary Tchoukball Championships 2023.

SKILLS / INTERESTS

Languages: English, Chinese
Programming: HTML, CSS, JavaScript, Python, Java, C#, Swift, Kotlin, Dart, SQL
Libraries and Framework: React, Tailwind CSS, Framer Motion, Flutter, jQuery, Bootstrap, Apache Cordova
Databases: MySQL, PostgreSQL, Microsoft SQL Server, Firebase
Clouds: AWS, Azure
Software Applications: Figma, Visual Studio Code, Android Studio, Xcode, Jira
Other Skills: Git, Unity
Interests: Sports (Tchoukball, Badminton, Basketball), DIY Crafting, Fishing