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EDUCATION

University of the Pacific	Stockton, CA
Master of Science in Computer Science, GPA 3.92/4	*Jan. 2022 – May. 2024*
National Taiwan University	Taipei, Taiwan
Information System Training, Major: Computer Software Engineering, Grade: A	*Feb 2021 –– Dec 2021*

EXPERIENCE

.NET Software Engineer — Sacramento, CA
Capitol Tech Solution — *Jan. 2024 – Present*

- Developed web interfaces using React, ASP.NET, Azure, and SQL Server; modernized and integrated legacy systems, originally in .NET and C#, with advanced technologies in collaboration with Senior .NET Engineer.
- Managed logistics and coordinated with both client and internal teams to ensure timely project completion.
- Conducted regular meetings with stakeholders for demonstrations and updates on project progress.

Software Developer — Stockton, CA
University of the Pacific — *Sep. 2023 - Jan, 2024*

- Contributed to the development and testing of an immersive AR educational application for dental students, featuring 3D tooth models for enhanced learning (Publish on Apple/Google Store).
- Proficiently coded and optimized the application using Unity3D and C#, achieving a 95% reduction in errors through rigorous testing and debugging.
- Significantly improved user experience by reducing rendering time and latency by 30%.

Teach Assistant & Academic Tutor — Stockton, CA
UOP, Dept of Engineering and Computer Science — *Jan. 2023 – Aug. 2023*

- Helping Undergraduate students in need with homework and project on a day-to-day basis in order for them to achieve their learning goals.

PROJECTS

- **Google Developer Club website**: Designed and developed a full-stack website using ReactJs and Django showcasing expertise in creating responsive user interfaces and implementing robust server-side functionality.
- **Advanced MIPS Processor Simulator Suite**: Developed a python script to convert MIPS assembly code to machine language, developed and improved single-cycle MIPS processor simulators, and created python programs for simulating direct-mapped and n-way set associative caches while analyzing memory access sequences with 32-bit memory addresses for 4-byte word access.
- **Language Expression Interpreter**: Developed a language expression Interpreter with an efficient scanner for precise stream analysis, an accurate parser for AST transformation, and an evaluator for optimal performance, tokenization, and parsing, consistently meeting language specifications.

TECHNICAL SKILLS AND INTERESTS

- **Languages**: Java, Python, HTML, CSS, JavaScript, C/C++
- **Web Dev Technologies/Tools**: JSON, ReactJs, Unity, Blender, Git, Github, Jupter Notebook
- **Frameworks/Technologies**: Django, Angular, NodeJs
- **Cloud/Databases**: Amazon Web Services (AWS), Relational Database(MySQL)
- **Areas of Interest**: Software Development and Engineering, Cloud Development, AR/VR developer
- **Relevant Coursework**: Data Structures and Algorithms, Object Oriented Programming, Artificial intelligence, Database Management System, Software Engineering, VR development