Hla Htun

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EDUCATION

Oregon State University   Corvallis, OR
Bachelor of Science in Computer Science; GPA: 3.89   *2024*

EXPERIENCE

Web Developement Teaching Assistant   Sep 2023 – September 2024
Oregon State University   *Corvallis, OR*
- Addressed over 150 student inquiries each term, offering solutions on programming challenges and web development principles
- Facilitated effective communication with students on lectures, assignments, and quizzes
- Contributed to course improvement by providing feedback on assignment design and grading rubrics

OSU Beaver Store - Textbooks and Retail Department   Aug 2023 – Apr 2024
Oregon State University   *Corvallis, OR*
- Managed textbook operations, ensuring availability and accuracy of academic resources for the university community
- Oversaw web and special orders, demonstrating proficiency in order management systems
- Improved efficiency in the textbook department by 20% through improved inventory management practices

PROJECTS[*]

Litania[†] | *Next.js, React, TypeScript*   Summer 2024
- Developed a web-based RPG battle system, showcasing advanced front-end development and game logic implementation
- Implemented a complex battle grid system with dynamic character placement, demonstrating interactive UI skills
- Gained experience in game design principles and state management in complex web applications

FHIR API - PacificSource (Capstone)[‡] | *Python, Pydantic, React, Docker, SwaggerUI*   Sep 2023 – June 2024
- Developed an API for healthcare practitioner data integration, enhancing data accessibility for providers
- Achieved data standardization using Python, Pydantic, and Flask, improving consistency and reliability
- Designed consensus algorithms, increasing practitioner data accuracy by 7%

PuzzleFuzion[§] | *React, Redux, Node.js, MongoDB*   Winter 2024
- Implemented real-time multiplayer features with live chat and dynamic game state updates
- Introduced innovative game mechanics, enhancing platform interactivity and community engagement
- Inducted into the Hall of Fame for CS 494, highlighting exceptional project quality

Winmulator[¶] | *Next.js, Redux, Prisma, PostgreSQL*   Spring 2024
- Developed a web-based emulator for Windows XP, 2000, and 7 using Next.js and complex UI components
- Employed Redux for state management and Prisma with PostgreSQL for efficient data handling

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C/C++, SQL
Frontend: React, Next.js, Redux, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, Flask, GraphQL, RESTful APIs
Databases: PostgreSQL, MySQL, MongoDB, Redis
Tools & Platforms: Git, Docker, VS Code, JetBrains IDEs, GCP, Render
Other: Agile, CI/CD, Jest, Pytest, Problem-solving, Teamwork
Languages: English (Fluent), Burmese (Native), Nepali (Conversatinoal), Hindi (Conversational)

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[*]Portfolio: https://www.hlakarki.com/
[†]Litania: https://litania-dev.vercel.app/
[‡]FHIR API: https://github.com/FHIRType/workshop
[§]PuzzleFuzion: https://puzzle-fuzion.vercel.app/
[¶]Winmulator: https://winmulator.vercel.app/