Yesui Ulziibayar

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Summary

Results-driven Software Engineer with strong foundations in Computer Science and Data Science, proficient in Python, Java, JavaScript, and modern frameworks like React.js and Flask. Experienced in optimizing web performance, developing user-focused applications, and conducting quality assurance testing. Skilled in API integration, VR development, and utilizing tools like Git, Docker, Selenium, TestNG, and Maven to deliver robust and thoroughly tested software solutions. I am eager to contribute versatile skills to support agile full-stack projects.

Education

University of Wisconsin-Madison - *B.S. in Computer Science, B.S. in Data Science, Certificate in Digital Studies*
- 3-time Dean's List

Coursework: Programming Languages & Compilers, Operating Systems, Algorithms, AI, Deep Learning for Comp Vision, Building UIs, Machine Organization and Programming, Computer Graphics, DS Modeling II, Data Ethics & Policy

Skills

Languages: Python, Java, C, C++, JavaScript, HTML, CSS, TypeScript, R, SQL
Technologies: Git(GitHub, GitLab), JSON, ASP .NET Web APIs, REST API, Postman, Figma, Docker, Linux, GCP, Unity, Bash, RStudio, JUnit, Unity, Jupyter
Frameworks: React.js, React native, Node.js, Three.js, Flask, WordPress, Yoast SEO, CMS, Asana, p5.js, Adobe Photoshop, MS Office

Work Experience

Prof. Moriarty LLC - DoneForYouTax   **Jan 2025 - Present**
Bookkeeper / Tech Support Representative   *Remote*
- Execute accurate bookkeeping, maintaining financial compliance and fostering client trust through meticulous data management.
- Streamline onboarding for 12+ clients daily, optimizing account setup and resolving inquiries to ensure a seamless customer experience.

Wisconsin Historical Society   **Feb 2023 - Apr 2024**
Web Editor   *Madison, WI*
- Enhanced user-centric design and content updates for 14+ websites using HTML, CSS, and JS collaborating with cross-functional teams.
- Pioneered the optimization of web performance by implementing API-driven analytics to boost user engagement and load times by 15%.

US Cellular Corporation   **Jun 2023 - Aug 2023**
Network Core Integration Engineering Intern   *Schaumburg, IL*
- Employed rigorous testing protocols to improve IMS core architecture, expanding network coverage and reliability for millions of users.
- Deployed updates to emergency communication systems, strengthening public safety and customer satisfaction in key regions.

Leadership & Involvement

WISCERS Research Program   **Jan 2023 - May 2023**
- Developed VR software for firefighter navigation and communication as part of the EasyVizAR research project.
- Integrated YOLO v3 real-time image segmentation with Unity VR headsets to overcome key technical challenges.

Projects

FUSE File System
- Spearheaded the design and implementation of a single-threaded log-structured file system using FUSE, enabling custom fs creation.

Java Compiler for Language Created Through Context-Free Grammar
- Implemented a JLex and Java CUP-based compiler to scan, parse, and analyze code, generating the executable output.

FCOS Object Detection Model With Non-Max Suppression Analyzed through Mean Average Precision
- Engineered a high-precision FCOS model using PyTorch to classify images and predict bounding boxes using the PASCAL VOC dataset.