Ahmad Moltafet

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Education

University of Washington, 2023 - 2024   Bothell, WA
Masters of Science, Computer Science and Software Engineering   August 2024
    Focus on Artificial Intelligence and Natural Language Processing

Gonzaga University, 2019-2023   Spokane, WA
Bachelor of Science in Computer Science   May 2023
    College tuition is paid through the Trustee Scholarship and EWI Scholarship (merit-based)
    Gonzaga Investment Club - Analyst, Real Estate Sector Leader
    Gonzaga LeetCode Club - Staff Writer

Employment History

University of Washington | Data Analysis & Intelligent Systems Research - Research Assistant | March 2023 - Present | Seattle, WA
- Conducting research in the field of Artificial Intelligence for Smart Health and Next Generation Biomedicine, contributing to the development of innovative AI-based solutions to improve patient outcomes and advance the field of biomedicine.
- Researching both qualitative and quantitative data, analyzing large datasets using statistical and machine learning techniques to derive insights and inform decision-making processes related to healthcare and biomedicine.

Gonzaga University - Computer Science Research Assistant | Feb 2023 - May 2023 | Spokane, WA
- Researched and proposed design principles for AI chatbots that prioritize human-centered design and ethical considerations using design tools such as Figma, with the aim of improving user experience and engagement.
- Contributed to a study emphasizing the importance of ethical and empathetic approaches in the design of AI chatbots to improve communication and interaction with users.

IntelliTect - Software Engineering Intern | May 2022 - April 2023 | Spokane, WA
- Scripted data processing tasks using PowerShell, streamlining data management and analysis workflows for improved team productivity and accuracy.
- Contributed to the development of a backend system for an application utilizing Toggl time reporting and Azure Functions, enabling seamless tracking and management of time and project-related tasks.
- Enhanced website deployment and testing processes using testing libraries such as Jest and Mocha, resulting in improved website performance and faster turnaround times for client projects.

Ovicore Technologies - Backend Developer Intern | Oct 2021 - May 2022 | Seattle, WA
- Designed and implemented an iframe that displayed 3D models on a web application using programming languages such as JavaScript, providing users with a unique and engaging experience that contributed to increased user engagement and satisfaction.
- Built the infrastructure for a web application using Python, ensuring high levels of performance, scalability, and security. This included designing database schemas, developing APIs, and integrating third-party services.
- Improved usability and functionality by developing new features like user notifications and reporting using JavaScript and HTML, and built admin dashboards using React and Angular to enhance application management.

Projects and Ambitions   amoltafet.github.io (github.com/amoltafet)

ZAGs Artificial Intelligence Bot, Gonzaga University (zaga.pages.dev)
Lead Software Engineer
- Developed a natural language processing bot using pre-trained transformers, utilizing Python programming language and libraries such as TensorFlow and PyTorch, with a unique design to achieve state-of-the-art performance.
- Conducted research and implemented custom modifications to transformer architectures to optimize performance on a specific task, resulting in a highly effective AI bot for language-related applications.

Lab Portal, Ovicore Technologies. (portal.ovicore.com)
Software Development Engineer
- Utilized Python and JavaScript to design and implement an interactive 3D model display feature for a web application, resulting in increased user engagement and satisfaction.

Additional Information

Activities: Gonzaga Real Estate Club, Feeding America, Gonzaga Soccer Club, BSUC
Programming Skills: C#, C++, Java, Python, Javascript, React, TenserFlow, PyTorch
Additional Skills: Persian Language- Native, Russian Language- Fluent,, research and development