MAX SEO

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Portfolio: maxseo.dev | GitHub: github.com/maxxseoo

EDUCATION

Missouri State University | Springfield, MO   2020 – 2026
Bachelor of Science in Computer Science
Magna Cum Laude | GPA: 3.82/4.00
Expected Graduation: May 2026

SUMMARY

Software Engineer with experience in full-stack development, observability systems, and VR applications. Strong foundation in Python, C++, and backend systems, with proven ability to build and maintain reliable software in high-responsibility environments. Seeking an entry-level role to grow long-term while contributing to high-quality, production-ready systems.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL
Backend: Node.js, Express, REST APIs
Systems & Cloud: Linux, Docker, Kubernetes (basic), AWS (basic)
Data/AI: TensorFlow, PyTorch, pandas, NumPy
Databases: MySQL, MongoDB
Concepts: Data Structures & Algorithms, OOP, Networking (TCP/UDP), Distributed Systems basics

PROJECTS

FULL STACK PORTFOLIO WEBSITE | maxseo.dev   Oct 2019 – Present
Built from scratch

- Architected and built a full-stack web application end-to-end, owning both frontend and backend development
- Implemented scalable backend services using Node.js and Express with RESTful APIs and dynamic routing
- Designed and developed a responsive, Instagram-style UI to enhance user experience and engagement
- Integrated observability tooling to monitor application performance, track system behavior, and debug issues in real time using Prometheus, Grafana, and OpenTelemetry
- Designed system instrumentation and metrics pipelines to improve observability and debugging efficiency

VR CHEMISTRY LAB SIMULATION | Missouri State University Research   Aug 2025 – Jan 2026
Williamson Ether Synthesis Simulation Lab
Link: *https://youtu.be/hloC6gcLIsQ?si=NbiDHPHDbb0c7YxO*

- Developed VR application using Unity and C#, implementing real-time interaction and immersive simulation features
- Led a development team as a team lead, coordinating tasks and guiding project direction across multiple development phases
- Applied Agile/Scrum methodology, organizing development into sprints and facilitating team collaboration and progress tracking
- Implemented 3D object manipulation, scene navigation, and user input handling within the virtual environment
- Collaborated cross-functionally with the Computer Science department and a Chemistry faculty partner, Dr. Santra, to develop domain-specific VR features (GitHub: https://github.com/maxxseoo/CSC450-VRLAB)

EXPERIENCE

TELECOMMUNICATIONS & SOFTWARE SUPPORT SPECIALIST   Oct 2023 – Apr 2025
Republic of Korea Armed Forces **Sergeant (E-8/E-9 equivalent)**

- **Coordinated daily team operations and scheduling**, contributing to efficient execution of mission objectives
- **Led and supervised a team of 7 personnel**, providing training, task delegation, and performance oversight to ensure effective team execution
- Assisted in building and maintaining **Linux-based systems** supporting internal intranet and communication needs
- Maintained and troubleshot military telecommunications systems, including network cabling and internal communication infrastructure
- Awarded **Honorable Service Award** for outstanding performance and dedication

STARTUP INTERN | EnjoyMoviesYourWay.com   Oct 2019 – Jan 2023
Working directly under the experienced founder of EnjoyMoviesYourWay.com

- Developed and maintained a Chrome extension platform designed to filter streaming content based on user-defined values
- Worked on a **Chrome extension** that removes or filters inappropriate scenes (e.g., explicit content, language) across major streaming services
- **Diagnosed and fixed software bugs**, improving stability and reliability of the extension
- **Maintained compatibility with Chrome updates**, ensuring adherence to evolving browser policies and extension guidelines

FOUNDER / INTERPRETER | Mireu Enterprise   Jan 2022 – Dec 2023
South Korea Business Entity

- Founded and operated a freelance translation service providing Korean–English language solutions
- Delivered translation services for organizations including the **Korean Equestrian Federation (FEI)**
- Managed client relationships, project timelines, and service delivery independently
- Maintained professionalism and consistency in high-responsibility translation tasks

CERTIFICATE & HONORS

PRESIDENTIAL SCHOLARSHIP RECIPIENT   Aug 2022 – Present
Awarded to top 35 incoming students based on academic excellence and achievement

WEB PROGRAMMING UNDERGRADUATE CERTIFICATE   2024
Completed focused coursework in web development, including full-stack technologies and application design

SEMI-FINALIST — PDA WORLD DEBATE CONGRESS (3RD PLACE, INTERNATIONAL COMPETITION)   2017
Led a team in a global parliamentary debate competition, demonstrating leadership, communication, and analytical reasoning