Bisher Al Masri

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Education

White Oaks Secondary School **2025 – Present**
Computer Science Student *Oakville, ON*
- Active member of the Robotics Club and Computer Science Club
- Coursework and independent study in Data Structures, Algorithms, Object-Oriented Programming, and Systems Design
- Active participation in applied engineering projects through Robotics and Computer Science Clubs

Experience

Freelance Developer **February 2024 – Present**
Self-Employed *Remote*
- Designed and developed custom websites for early-stage startups, working with **5+ clients** and creating production-ready pages for products like CasPrep, reaching **1,000+ users**
- Collaborated directly with clients to gather requirements and deliver responsive, user-friendly web features, earning **$750+** through completed projects
- Iterated on designs based on user feedback, improving website performance and functionality.

Intellibots Robotics Teacher **September 2025 – Present**
Volunteer Teacher *Mississauga, Ontario*
- Taught **7+ students** in LEGO Spike robotics for **20+ hours**, guiding them through programming, motor control, and sensor-based problem-solving
- Led students through building and programming their own robots, with **97% success rate** in robot deployment and functionality by end of semester
- Provided hands-on support and troubleshooting, helping students debug code and improve robot designs, contributing to a **40% improvement in build quality and performance**

Hack Club **2025 – Present**
Program Manager *International*
- Led a team of designers and judges in planning and delivering large-scale events, coordinating event design, judging, and participant experiences
- Managed hundreds of dollars in prize funding and supported events serving **300+ participants**, coordinating logistics and prize distribution
- Designed and developed event websites, collaborating with team members to deliver and publish web experiences for large-scale events

Projects

Helium Compiler | *LLVM, C++, Assembly* **January 2026**
- Developed a minimal compiler designed to optimize low-level code and make it more efficient, targeting performance improvements on low-end hardware
- Utilized LLVM for code generation and assembly for heavy optimizations, improving speed by **30%** in benchmark tests
- Worked on parsing and optimizing intermediate representations to reduce code bloat and enhance runtime performance

Gyft | *Next.JS, Gemini, Python, MongoDB, Tailwind* **July 2025**
- Developed an AI-powered app to generate W3Schools-style tutorials based on user queries, enhancing learning efficiency through recursive AI calls
- Implemented a recursive AI approach to minimize the number of tokens used, reducing API costs by **20%** while maintaining tutorial accuracy and quality
- Integrated features like dynamic content generation and a user-friendly interface, reaching **500+ users** in the first month

Rhino Linux | *Next.js, MDX, Tailwind, Rust, GTK* **June 2025**
- Contributed to the development of a community-driven blog and wiki for Rhino Linux, focusing on documentation, updates, and feature improvements
- Updated major frontend frameworks (Tailwind and Next.js), ensuring the site used the latest optimized versions, improving performance by **25%**
- Collaborated closely with the team to identify and fix bugs, improve site navigation, and enhance overall user experience
- Developed and maintained the *hello-rhino* desktop application using Rust and GTK, contributing to onboarding and first-run user experience, showing to 5,000+ users

VSCode Marketplace Extensions | *JSON, Azure, Typescript* **September 2024**
- Developed multiple VSCode extensions, with a total of **10.5K+ installs**, including one with **6K+ installs**
- Focused on improving developer productivity by automating common coding tasks and adding custom features like syntax highlighting and code snippets

Technical Skills

Languages: Java, Python, C++, JavaScript/TypeScript, Go, Bash, Rust
Core Concepts: Data Structures, Algorithms, OOP, SOLID Principles, SDLC, Machine Learning
Databases: PostgreSQL, MongoDB, SQLite, Redis
Frameworks & Tools: React, Django, Flask, Git, GitHub Actions, Postman
Systems & DevOps: Linux, Docker, CI/CD, Cloud Infrastructure, Google Cloud