Alex Van Matre

linkedin.com/in/alexvanmatre/ | github.com/alexjvan
contact@alexvanmatre.com | alexvanmatre.com

Technical Skills

Programming Languages: Assembly, C, C++, C#, Java, Python
Web Languages: CSS, HTML, JavaScript, JQuery, PHP, MySQL
Software & Technologies: Atom, DigitalOcean, Eclipse, Git, IntelliJ, Maven, Unity, Visual Studio

Education

Bachelor of Science in Computer Science and Software Engineering   Grad.
University of Washington, Bothell   June 2021
Completed Classes including Analysis and Design, Cloud Computing, Data Structures and Algorithms 1 & 2, Database Systems, Hardware and Computer Organization, Information Management and Analysis, Introduction to Compilers, Operating Systems, Parallel and Distributed Systems, and Software Engineering. Finalized degree with a thesis project of writing a shortest path algorithm for a distributed systems cluster.

Relevant Projects

Addy Compiler   In Progress
https://github.com/alexjvan/Addy
Developing a full-scale compiler in the C# language, the YASM modular assembler, and the GCC library. Finished with the lexer and currently developing the parser. Planned additions are to finish the parser, add a recognizer, optimize code, and then convert to object code.

BrokenCube   In Progress
https://github.com/alexjvan/BrokenCube
Developing a full-scale Minecraft server, including plugins for a survival-based civilizations game with future addons of other minigames planned. Using the Spigot library for running the server, alongside full custom server-side plugins for the functionality of the server.

Reneblade   Finished
https://github.com/alexjvan/Wumpus-Alumni-Game   Jun 2018
Wrote a 2D arena-style game in collaboration with 4 other people in Unity 5.6.3. Used solely independent assets and base libraries provided by the Unity engine. Competed in the Microsoft Wumpus Alumni competition to receive second place.

Work Experience

Guest Advocate, Target   Jun 2018
Woodinville, WA   to March 2021
Provided a positive guest experience while creating a fun and friendly environment. Cross-trained in key areas such as service and engagement team lead, guest service, and cash office. Proved amazing cross experience as a master barista and coffee master at the internal Starbucks.

Volunteer Experience

Hour of Code Event   Dec 2017
Westhill Elementary School
Recognized as Cougar of the Month for outstanding support at Westhill Elementary School's inaugural Hour of Code event with over 175 attendees for teaching basic code, answering technical and coding questions and hosting a Bee-Bot game.

Juvenile Diabetes Research Foundation (JDRF)   May 2004
Beat the Bridge – Annual Fundraiser   to Current
Created Team Alex, recruited participants, and drove fundraising efforts to support the Type One Diabetes Beat the Bridge event which resulted in personally raising over $20,000 for JDRF over 17 years.