Will Garrison

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Education

- **BS, Computer Science**; Oregon State University (Corvallis, OR)   *(expected)* **2025**
  - Focus on *Simulations & Game Design*
- **Relevant Courses:**
  - Data Structures, Algorithms, Parallel Programming, Software Engineering (1 & 2), Technical Writing, Operating Systems (1 & 2), Graphics, Shaders*, (Adv.*) Web Development, Databases, Networks*
    *in progress

Skills

- **Web Development Skills**
  - HTML, CSS, JS, React, Node, SQL, PHP
  - WebSocket, Express, Jest, Cypress
  - NginX, Caddy, Cloudflare
- **System Level Programming**
  - C, C++, Rust, Go, Java, Python
  - Unix, Bash, Vim, Terminal Environment
  - OpenMP, OpenCL, CUDA, SIMD, MPI
  - OpenGL, GLSL, GLUT, GLM

- **Project Management**
  - TDD and CI/CD
  - Version Control with Git and Github
  - Agile and Waterfall PM methodologies
  - Software Design Patterns and Flowcharts
- **Soft Skills**
  - Leadership and Team Management
  - Clear and Effective Communication
  - Self Motivated and Always Learning

Projects

- **Portfolio Site** ⒽⒽⒿⒿ₃Ⓜ | *VVill.dev* | *Writeup* | *Github*
  - Completely hand-written, unique HTML CSS and JS   *2023*
  - Static Site Generation with Hugo
  - Wrote in depth technical project analysis' and blog posts
- **3D Heightmap Mesh Editor** ⒼⒼ | *Writeup* | *Github*
  - Uh   *2023*
  - Not sure what to put yet
- **Real-time Online Party Game** Ⓙ₅ⒽⒿⒿ₅ | *Newsie.VVill.dev* | *Github*
  - Utilizes WebSockets for performant network transactions   *2022*
  - Follows the Saga software design pattern for simple game state management
  - Manages several games
- **Jewelery Store Website** ⊡🐍 | *BonitaRoseJewelry.com*
  - Used python scripts to migrate product information and images from Etsy *2021*
  - Set up with Square Online CMS for user-friendly content updates

Leadership

- **Leadership Liason for the Engineering Student Council**   *2023-Now*
  - Provide resources and expertise to more than 50 engineering clubs
  - Work with the Leadership Academy to amplify academic opportunities in the College of Engineering
- **Administrative and Finance Officer of the Residence Hall Association** *2022-Now*
  - Manage $100,000 budgets across 19 different spending accounts
  - Regularly meet with Housing and Dining administrators to amplify residents voices
- **Officer of 4 Student Clubs**   *2022-Now*
  - Founded the General Engineering Club to facilitate students' multidiciplinary side-projects
  - Handle fundraising, event planning, and collaborations for all clubs
  - Work with many students in teams to learn from eachother and grow as leaders