

# Grant Haines

**Website:** [granthaines.github.io](http://granthaines.github.io)  
**Email:** [gen\\_grant\\_haines@msn.com](mailto:gen_grant_haines@msn.com)  
**LinkedIn:** [grant-haines](#)  
**GitHub:** [github.com/GrantHaines](https://github.com/GrantHaines)

## SKILLS

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- **Software Engineering:** Worked with teams of 3-5 people using tools such as GitHub and Kanban, and with Agile methodology.
- **Programming Languages:** Extended experience in multiple projects with C, C++, and C#. Familiar with Java, Python, and JavaScript, and basic experience with both x86 and MIPS assembly language.
- **Web Development:** Very familiar with HTML/CSS design, client-side JavaScript, MySQL databases, and the Node.js framework. Experience with RESTful API design and development.
- **Parallel Programming:** Familiar with the basic concepts of parallel computing and GPU architecture. Some experience with using mutex locks for low-level multi-threading in C++, as well as with the OpenMP framework.
- **Mobile Development:** Some experience with creating mobile applications on Android using Java.
- **Computer Architecture:** Familiar with the basic concepts of low-level operating system design, such as the bootstrap process, memory management, kernel/user environments, and multi-tasking.
- **Unix:** Basic familiarity with using the Unix/Linux terminal, including Bash scripting.
- **Development:** Used development tools such as Visual Studio, VS Code, IntelliJ Idea, Code::Blocks, and MinGW. Also capable of using Vim or similar text editors.
- **Electronics:** Basic familiarity with AVR microcontrollers and FPGAs, as well as hardware description languages such as SystemVerilog.
- **Other:** Individual & group presentation skills, extensive experience with standard office software, experience compiling and writing reports and research papers.

## EDUCATION

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<b>Oregon State University</b> B.S in Computer Science, Computer Systems Option – <b>3.97 GPA</b> - 116 credits – Graduation on <b>June 12, 2021</b>	Corvallis, OR 2017–Current
<b>Portland Community College</b> Degree Partnership Program (with OSU, above) – <b>4.0 GPA</b> - 87 credits	Portland, OR 2017–2019

## EXPERIENCE

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<b>Web Development</b> Sunset Church of Christ website ( <a href="http://www.sunsetchurchofchrist.net">www.sunsetchurchofchrist.net</a> ) – Designed website from ground-up, replacing an older static site – Uses a NodeJS server backend, a MySQL database, and responsive design	Summer 2020
<b>OSU ResiStore Volunteer</b> Student-run electronics store at Oregon State University – Retail, storefront management duties	Q4 2019 - Q1 2020 2-3 hours/week