

Jack Schofield

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github.com/schofija

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EDUCATION

Oregon State University *(Sept. 2019 - Present)*

Fourth year student pursuing a Bachelor of Science in Computer Science with an applied focus in simulation and game programming.

Current Institutional GPA: 3.86.

Programming Coursework:

Data Structures, Algorithms, Architecture and Assembly Language, Operating Systems, Computer Graphics and Shaders, CS Skills for Simulation and Game Programming, Parallel Programming, Cybersecurity, Web Development

Projects

Shell – github.com/schofija/smallsh

- ❖ A shell with functionalities similar to Bash. Includes prompt for running commands, '\$\$' expansion, handling of blank lines and comments (#), supports background processes, I/O redirection (>)
- ❖ **Utilization of:** C, systems programming

Live 3D Keyboard – github.com/schofija/3d-keyboard

- ❖ An interactive 3D visualization of a keyboard that visually responds to real-life keypresses. Basic shading is included for toggling backlight options.
- ❖ **Utilization of:** C++, 3D Graphics (OpenGL), 3D Shaders (GLSL)

Technical Skills

Proficient in: C/C++, OpenGL, GLSL, Bash, Version control (git)

Familiar with: Python, Rust, R, Assembly, OpenMP, OpenCL, CUDA, Robot Operating System (ROS), Source Engine