

Jonathan Glines

glines.net

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EDUCATION

IDAHO STATE UNIVERSITY

BS IN COMPUTER SCIENCE

Dec 2016 | Pocatello, ID

LINKS

Website: glines.netGithub: github.com/glinesIRC: [glines on Freenode](#)

COURSEWORK

Compilers
Computer Graphics
Digital Systems
Operating Systems
Numerical Analysis
Linear Algebra

SKILLS

PROGRAMMING

Experienced:

Bash • C • C++ • CMake • Git
JavaScript • \LaTeX • Linux • Makefile • MPI
OpenGL • Perl • Python • Visual Studio

Familiar:

Android • AWS • C# • CUDA • DirectX
Matlab • Mercurial • MSSQL • MySQL
OpenCL • PHP • PostgreSQL • UE4 • VR

LANGUAGES

English (Native)
Japanese (Intermediate)

EXPERIENCE

NVIDIA | DATA CENTER TOOLS SOFTWARE ENGINEER

2017-Present | Champaign, IL

Developed Python tools to monitor Linux system health. Some experience using the NVIDIA Management Library (NVML) API.

ON SEMICONDUCTOR | MANUFACTURING IT INTERN

Summer 2014 | Pocatello, ID

Automated migration to Mercurial version control using Python and Ansible

IDAHO STATE UNIVERSITY | ASSISTANT IT PROGRAMMER

2011-2014 | Pocatello, ID

Installed Ubuntu Linux remotely on a 100+ node computer cluster using PXE boot. Wrote a Perl CGI application to manage student examination times.

RESEARCH

IDAHO STATE UNIVERSITY | UNDERGRADUATE RESEARCH ASSISTANT

2015-2016 | Pocatello, ID

Worked with **John Edwards** exploring computational geometry algorithms as applied to generalized Voronoi diagrams. Implemented several isosurface extraction algorithms (including marching cubes) in C.

EXTRACURRICULAR

ISU IGNITECS GROUP | ELECTED UPPERCLASSMEN PROJECT LEADER

Fall 2016 | Pocatello, ID

Mentored local high school students interested in Computer Science while developing a workshop curriculum using Shadertoy.

ISU ANIME CLUB | ELECTED TREASURER AND PRESIDENT

2014 | Pocatello, ID

FIRST ROBOTICS COMPETITION | TEAM HAYWIRE 1569

2008 | Pocatello, ID

Programmed robot microcontrollers in C.

OPEN SOURCE

NIXOS | PURELY FUNCTIONAL LINUX DISTRIBUTION

<https://nixos.org> | <https://github.com/glines/nixrc>

Contributed occasional patches to add new software packages. Experimented with automated deployment techniques.

LIBMC | ISOSURFACE EXTRACTION LIBRARY

<https://github.com/glines/libmc>

Personal project building upon undergraduate research.

REFERENCES

John Edwards, Assistant Professor of Computer Science, Idaho State University, (385) 207-8331**Ben Nickell**, High Performance Computing Systems Administrator, Idaho National Laboratory, (208) 317-4259