

Nicholas R. Hamilton
1202 College Ave, Apt 8, Houghton, MI 49931-1196
507-993-5105
nrhamilt@mtu.edu | nrhamilton.com

EDUCATION

Michigan Technological University, Houghton, MI
B.S., Computer Science
Minor, Mathematical Sciences
Department GPA: 4.00
Cumulative GPA: 3.80
Recipient of five Dean's List honors

September 2016 - Present
Expected Graduation: December 2019

PROJECT AND RELATED EXPERIENCE

Husky Game Development Enterprise

January 2017 - December 2018

Independent work

- Cross platform 3D game engine development from the ground up using Java and OpenGL

Team lead in charge of game development group

- Team communication using GitHub, Slack, Taiga, and Google services
- Collaborate using Scrum and Agile development processes

Personal Projects

2007 - Present

C, C++, and Java for work with projects including:

- 3D Graphics and Physics Simulations
- Machine Learning
- Procedural Generation

Computer Skills

- Fluent in C, C++, Java
- Familiar with C#, Python, HTML, CSS, JavaScript, SQL, Linux
- Proficient in software design and development
- Experience with concurrent computing and databases

WORK EXPERIENCE

Computer Science Learning Center Coach

September 2018 - Present

Michigan Technological University, Houghton, MI

- Teach students material from various computer science courses
- Assist students with homework and studying for exams

Software Developer

August 2018 - November 2018

Michigan Technological University, Houghton, MI

- Paid project for computer science professor
- Presentation software using 24 monitors and 8 computers including video and audio
- Programmed with C and OpenGL for syncing and hardware acceleration

Computer Science Lab Teaching Assistant

September 2017 - December 2017

Michigan Technological University, Houghton, MI

- Help students learn C in a lab setting
- Grade assignments and exams