

Michael
Boschwitz

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🌐 michael.boschwitz.me

✉️ bosch137@umn.edu

☎️ 612.804.5799

Education

Software Engineering
and Creative Design. BIS

Japanese Studies Minor

University of Minnesota
Minneapolis, MN, USA

Languages + Skills

Natively fluent:

- C, C++, C#, Java, Python,
- JavaScript, HTML, SQL
- Unity, Unreal, Git/Perforce
- (Plus, I make good coffee!)

Con conversationally fluent:

- Word, Excel, PowerPoint
- Adobe Photoshop/Premier

Tourist:

- OpenGL, x86, Japanese (N4)
- 3ds Max, Blender, Godot

Activities

Inter mural Volleyball/Soccer

Jazz Band Drummer

Juggling Club

Fighting Game Club

Ask Me About

The places I want to *Travel*

What I've been *Reading*

Some of my favorite *Movies*

Almost anything *Musical*

My love for *Games/Technology*

Work Experience

AI Design Intern, Hangar 13: Summer 2021

- ✓ Improved design philosophies for a Multiplayer Open World AAA game.
- ✓ Authored new abilities to better express enemy intent and combat roles.
- ✓ Evolved classic 2D Bullet Hell mechanics and concepts for 3D gameplay.
- ✓ Maintained a high level of quality in an international and fast paced setting.

Game Designer, Rubyshark Games, 2022

- ✓ Lead a team in creating numerous distinct enemies, pitch to completion.
- ✓ Substantially upgraded existing AI, improving pathfinding and awareness.
- ✓ Refined combat flow to improve overall player experience and game feel.
- ✓ Diversified intended enemy counterplay for better balance and satisfaction.

Teacher Assistant, University of Minnesota, 2022

- ✓ Administered feedback on various Virtual Reality based assignments.
- ✓ Facilitated expansion of students' breadth of knowledge in VR/AR.
- ✓ Demonstrated proficiency and adaptability to accommodate everyone.
- ✓ Left concise and communicative feedback on students' VR/AR projects

Projects

UMN Class Projects Highlights

Dynamically Adjustable Motion Captured Data Renderer

VR & 3D Interaction Projects

VR Impossible Space Puzzler

Physics & Cloth Simulations

Bus Scheduling Simulations

Water Fluid/Pressure Simulations

Data Visualization Generators

Optimization Projects

Multi-File Interpreters

A more comprehensive list of all projects is located on my website.

Most Recent Video Game Development Club Project

High-Speed Hominids

- ❖ Led and oversaw a small team of highly talented game developers.
- ❖ Integrated both local splitscreen and online multiplayer functionality.
- ❖ Designed and implemented a mechanically deep and robust physics-based movement system, inspired by Source Engine Physics & Titanfall 2.
- ❖ Demonstrated multifaceted knowledge in the creation of game systems.

Leadership + Awards

Video Game Development Club Vice President

BSA Eagle Scout

Tri-M Music Honor Society

UMN Dean's List