

SPENCER WELLS

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EDUCATION

University of Notre Dame
BS Computer Science *GPA: 3.66*

South Bend, IN
Aug 2018 - May 2022

WORK EXPERIENCE

Notre Dame Office of Information Technology
Help Desk Consultant

South Bend, IN
Aug 2019 - Present

- Front facing tech assistance for all Notre Dame students, staff, and faculty
- Provided specialized support in software, networking, printing, and security

Notre Dame Academic Technologies
VR Developer Intern

South Bend, IN
Jan 2020 - Present

- Developed interactive VR tools and simulations in Unity to train faculty for remote teaching environments
- Working on a VR escape room to showcase ND Studios

IU Medical School
Software Developer Intern

Indianapolis, IN
May 2018 - Aug 2019

- Used R, limma, and other bioinformatics suites to develop an RNA sequencing post processing pipeline for use in the Department of Biochemistry
- Reduced false positives in university's differential expression and pathway analysis data
- Developed web app with R shiny to serve as a usable front end for professors to perform gene expression analysis: <https://github.com/SwellsHub/PostSeq>

SKILLS

Programming Languages: C++, C#, C, Python, JavaScript, HTML, CSS, MySQL, MEL
Software: Unity, Maya, Photoshop, Premiere Pro, Microsoft Office Suite

PROJECTS/HACKATHONS

GMTK Jam 2021 *Unity, Photoshop* <https://centipeda.itch.io/feline-formations>
Programmer and designer of a strategy game developed for the GMTK 2021 game jam

New Perspectives *html, CSS, javascript, IBM Watson*
<https://github.com/open-source-grilled-cheese/new-perspective>
Chrome extension which detects when user is reading a news article and suggests similar articles from the center and opposite side of the political spectrum to improve the diversity of user's news feed, winner of Irish Hacks 2019

Brick-A-Pic *html, CSS, javascript, Vue* <https://brick-a-pic.github.io/brick-a-pic/>
Web app made in Vue that converts any image to a buildable Lego creation.

Mental Health in Tech <https://open-source-grilled-cheese.github.io/data-club-hackathon/>
Analysis of mental health in the 2016 OSMI Tech Survey Data to find identifying trends of positive and problematic workplaces.

Blokus Simulation *Matlab* <https://github.com/SwellsHub/BlokusSim>
Simulation of popular game Blokus with different AI playstyles

PixelBall *Godot* <https://swells.itch.io/pixel>
A 64 x 64 resolution game submitted for the 2021 Lowrez game jam

Arduino Tetris *Arduino, C* <https://github.com/centipeda/mini-tetris>
A version of Tetris playable on an Arduino

A Friend's Quest *Unity* <https://bit.ly/3zmMoZ4>
In development 3D Unity paper RPG