

# SPENCER WELLS

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## EDUCATION

### University of Notre Dame

BS Computer Science *GPA: 3.64*

South Bend, IN

Aug 2018 - May 2022

Relevant Coursework: Algorithms, Advanced 3D Digital Production, Technical Concepts of VFX,  
Database Concepts, Operating Systems, Computer Graphics, Systems Programming, Data Structures

## SKILLS

Programming Languages: Python, C++, C#, Javascript, C, HTML, CSS, MySQL, MEL  
Software: Unity, Maya, Mudbox, RV, Photoshop, Premiere Pro, Audition

## WORK EXPERIENCE

### Framestore

*Junior Pipeline Technical Director*

Los Angeles, CA

Jul 2022 - Present

- Developed and supported pipeline tools for artists and producers across the company
- Created RV extensions in python and PyQt to improve daily review and animation workflows
  - Tool to build session of the latest vfx shots for a given sequence and department
  - Maya integration to inject playblasts into the context of neighboring shots
- Optimized multithreading performance of the company's custom file manager

### Notre Dame Academic Technologies

*Student VR Developer*

South Bend, IN

Jan 2020 - May 2022

- Developed VR escape room in Unity of a physical space on ND campus
- All C# development, puzzle implementation, testing and debugging
- Managed team of artists with assets and deliverables

### Notre Dame Office of Information Technology

*Help Desk Consultant*

South Bend, IN

Aug 2019 - May 2022

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

## 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

### Eagle Eyes *Flutter*

<https://github.com/open-source-grilled-cheese/eagle-eyes>

Mobile app that gives users a daily birdwatching challenge to help engagement with nature and promote ecological education

### 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.

### A Friend's Quest *Unity*

<https://bit.ly/3zmnoZ4>

In development 3D Unity paper RPG

### 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