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Software Developer

# Nicklaus Willis

## Contact

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## Language Experience

C#  
HTML

C/C++  
CSS

SQL  
SCSS

Python  
JavaScript

Assembly  
TypeScript

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## Experience

2020

### **Writer** *FlyAnvil*

Contributed to lore, world building and minor character story development.

June – July 2020

### **Web Designer/Developer** *Haisten Willis for SPJ*

Designed and coded campaign website using React.js.

## Projects

February – March 2022

### **Comparse** *COBOL Math Parser*

Utilizes GnuCOBOL with MPFR for arbitrary precision; interfaces with Discord to parse math statements. Capable of handling large calculations instantly.

January – February 2022

### **WordBot** *Word Usage Analysis*

Uses databases to analyze word usage among users on Discord servers; implements an SQL server through MariaDB to store/retrieve information with TypeScript to interface.

June – July 2016, January – March 2022

### **NDSA** *Nintendo DS Advanced Engine*

Object-based C++ game engine capable of exporting to multiple handheld platforms; uses a customized version of grit to allow for a multithreaded build system.

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## Education

August 2014 – May 2018

Chapel Hill High School

## Skills

- Data Analysis
- Organization
- Problem Solving

## Other Interests

Multi-instrumentalist; recipient of multiple awards for performance and participant in district honor bands.