

# Andrew Zabloudil

Edmond, Oklahoma

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GitHub: <https://github.com/andrew-zabloudil>

## Projects

### Personal Website (<https://andrew-zabloudil.github.io>)

- Designed a responsive personal website to show my portfolio and contact information.
- Used HTML and CSS to implement the design of the website.
- Implemented JavaScript modal views for demo gifs showing my projects and to create a functional hamburger menu on mobile-sized screens.

### BoogaBot Discord Bot

- Used Python and the Discord.py module to create a discord bot for use on a small personal server.
- Added moderation functionality in the form of commands to assign and remove roles, and kick or ban users from the server.
- Implemented commands to scrape the web for information related to COVID-19. One which returns current case data scraped from Worldometers, and another which scrapes news websites for COVID-19 news and returns a list of the most recent articles.

### Pathfinder

- Used Python and the Pygame module to create a visual pathfinding program using Dijkstra's pathfinding algorithm.
- Created functionality allowing the user to place start and end points as well as place walls that the algorithm has to work around.
- Implemented a feature to generate a maze using a randomized depth-first search algorithm.

## Education

### Oklahoma Christian University

*Bachelor of Science, Mechanical Engineering*

Overall GPA: 3.5

April 2016

## Skills

<b>Programming Languages:</b>	Python, HTML5/CSS, JavaScript
<b>Languages:</b>	English (Native), Japanese (Intermediate)
<b>Other Technical Skills:</b>	Git, MySQL, Visual Studio Code

## Experience

### Engineer

November 2015—January 2020

*Spirit Wing Aviation*

Guthrie, Oklahoma

- Researched regulations and industry standards to develop test plans that prove compliance.
- Wrote technical reports communicating the results of tests conducted with a flight test airplane.
- Managed requests from outside contracted specialists with regards to test plans, test reports, and operation manuals.
- Designed a truss system to support a footbridge as a special project for Dominion Farms.

## Honors

Toastmasters Competent Communicator Award

Earned April 2016

Eagle Scout

Earned September 2007