

Andrew Zabloudil

Edmond, Oklahoma

405-315-5373 | andrew.zabloudil@gmail.com

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.

DevTick Ticket Tracking System

- A web-based ticket tracking system created with Python, Flask, HTML, CSS, and SQLAlchemy, hosted using Heroku.
- Functions include user registration, project creation and editing, ticket creation and editing, and the ability to add other users to a project with a pre-defined role.

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

Programming Languages:	Python, HTML/CSS, JavaScript, MySQL
Languages:	English (Native), Japanese (Intermediate)
Other Technical Skills:	Git, Visual Studio Code, Flask

Professional Experience

Mechanical Engineer

Spirit Wing Aviation

November 2015—January 2020

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
Eagle Scout

Earned April 2016
Earned September 2007