

# Michael Pavich

SOFTWARE DEVELOPER INTERN · SECURITY ENGINEER INTERN

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## Education

### University of West Georgia

Carrollton, Georgia

B.S. IN COMPUTER SCIENCE

- Advanced Web Development
- Computing Capstone
- Information Management
- Systems Programming
- Program Construction II
- Software Engineering II
- Intelligent Systems
- Data Structures & Discrete Math II
- System Architecture

Expected Graduation: Dec. 2021

## Projects

### Algorithm Visualizer

Carrollton, Georgia

JAVASCRIPT, HTML, CSS

Nov. 2020

- Built an interactive application using JavaScript, HTML, and CSS.
- Visualize various sorting algorithms.
- Visualize various path-finding algorithms.
- Visualize maze generation or weight generation.

### Imagely

Carrollton, Georgia

C#

Dec. 2019

- Built an interactive image editing application using C# in UWP.
- Image Triangulation - Replicates an input image using triangles of different sizes and colors.
- Utilizes edge detection and Delaunay Triangulation to create and place triangles.
- Steganography - Hides text or other images within an image using bit manipulation.
- Circle Packing - Pack circles tightly in order to create abstract circle art.

### Weather App

Carrollton, Georgia

JAVASCRIPT, HTML, CSS, REACT

May 2021

- Constructed an interactive application using the React JavaScript library.
- Employed weather API to retrieve weather data based on query.
- Employed image API to retrieve image data based on query.

### Office E-commerce Website

Carrollton, Georgia

C#, ASP.NET CORE MVC, BOOTSTRAP

April 2021

- Constructed an interactive and responsive web e-commerce system.
- Created fully function local SQL database using EF Core.
- Built full login/registration user system.
- Built full admin system to manage website and products.
- Created cart system to check items out.
- Constructed table to list products with sorting, filtering, and paging.

## Skills

### Tools and Technologies

Docker, Jenkins, Git, Agile Methodologies, OOP, Hadoop, JUnit

### Programming

Java, JavaScript, Python, C#, C++, MySQL/SQL, React, ASP.NET core MVC, HBase, HTML, CSS, SCSS