

CLAYTON O'NEILL

SOFTWARE DEVELOPER

DETAILS

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LINKS

[Github](#)

[Profile](#)

SKILLS

ReactJS

● ● ● ● ●

NodeJS

● ● ● ● ●

JavaScript

● ● ● ● ●

jQuery

● ● ● ● ●

SQL

● ● ● ● ●

Python

● ● ● ● ●

HTML & CSS

● ● ● ● ●

Git

● ● ● ● ●

PostgreSQL

● ● ● ● ●

MongoDB

● ● ● ● ●

C++

● ● ● ● ●

Java

● ● ● ● ●

Express

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EXPERIENCE

Software Developer II, Towson University

Towson

Feb 2022

Worked with the Center for GIS team to design, build, and deploy mapping applications for state transportation and health agencies. Web mapping with Leaflet and ArcGIS 4.3 Javascript API, front-end work with ReactJS and BackboneJS, and database work with ArcGIS and MS SQL Server. Back-end work with .NET.

PROJECTS:

MTA TIGERS - *Internal application for Maryland Department of Transportation for mapping MTA projects.*

- Front-end built using React 16.11 within a legacy Backbone framework.
- Mapped data with Esri API.
- ArcGIS API used for storing geometries.
- Relational database used with MS SQL Server.
- .NET Rest API.
- Back-end written in C#.

MDH Environmental Public Health Tracking - *Client-side project for managing and displaying data on a variety of environmental health topics.*

- Front-end built with React 18.2.
- Responsive styling built with CSS3 and the MUI v5.8 library.
- Interactive charts using ChartJS 3.8.
- Mapping with Leaflet, Esri Leaflet, and React Leaflet.
- Back-end written in C#.

Software Engineering Fellow, General Assembly

Washington, D.C.

Feb 2020 — Apr 2020

24-week, 700-hour full-stack program conducted in a remote setting, providing experience with the latest front and back-end programming languages, tools, and methodologies including: HTML5, CSS3, SASS, Javascript, jQuery, PostgreSQL, MongoDB, PHP, AngularJS, NodeJS, ReactJS, Wordpress, Git, Github.

PROJECTS:

Hop N' Cru - *Web app for displaying and updating beer and wine store inventory and managing customer contacts.*

- Front-end built using React and styled with Bootstrap.
- Built a RESTful API with PHP and PostgreSQL.
- Axios to handle CRUD operations.

Trippr - *Travel Dashboard for posting vacation photos and reviews.*

- Full MVC functionality built with Angular 2 and Express.
- NoSQL database hosted on MongoDB Atlas.
- Login interface with Bcrypt and Express-Sessions

Potomac Talking Books, Monitor Engineer/Editor

Rockville

Oct 2015 — Feb 2020

- Ran batching scripts to process audio files nightly.
- Processed audio files and set navigation points using a Virtual Machine.
- Provided Quality Assurance for a team of editors and engineers.
- Products were distributed by the Library of Congress to visually impaired senior citizens.

Independent Audio Engineer

Washington, D.C.

Oct 2022 — Sep 2015

- Coordinated sound system setup and tear down.
- Worked independently and as the head of a team to ensure quality and punctual performances.
- Adapted to fast-paced environments, developing greater problem solving skills.

EDUCATION

BS in Computer Science, UMGC

College Park

Aug 2021