

CLAYTON O'NEILL

[Linkedin](#)[Portfolio](#)[GitHub](#)

CONTACT

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SKILLS

- ReactJS
- NodeJS
- JavaScript
- TypeScript
- jQuery
- SQL
- SSMS
- Python
- HTML & CSS
- Git
- PostgreSQL
- MongoDB
- C#
- .NET
- Java
- Express

EDUCATION

University of Maryland Global Campus – College Park

BS, Double Major: Computer
Science and Web & Digital
Design – May, 2025

PROFILE

Results-driven Full Stack Developer with 5 years of experience in designing and implementing robust applications. Proficient in JavaScript, Python, and SQL, focusing on efficient, scalable solutions.

EXPERIENCE

Software Developer II, Towson University - Towson Feb 2022 - Present

Designed, built, and deployed mapping applications for state transportation and health agencies. Web mapping with Leaflet and ArcGIS 4.3 JavaScript SDK, front-end work with ReactJS and BackboneJS, backend work with .NET and SQL Server.

PROJECTS:

MTA TIGERS - *Internal application for Maryland Department of Transportation for mapping MTA projects which greatly improved agency adherence with EPA regulations.*

- 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 information on a variety of environmental health topics allowing public users immediate access to critical health data.*

- Front-end built with React 18.2.
- Responsive styling built with CSS3 and MUI v5.8.
- Mapping with Leaflet, Esri Leaflet, and React Leaflet.
- Back-end written in C#.

Software Engineering Fellow, General Assembly – 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.
- Worked with a VM to create navigation data.
- Provided QA/QC inspections for fellow audio engineers.

Independent Audio Engineer – D.C.
Oct 2015 – Apr 2020

- Coordinated sound-system setup and tear down.
- Worked independently and as the team-lead to ensure quality performances.
- Adapted to fast-paced environments and strengthened my problem-solving skills in real world scenarios.