

# Michael Clark

9+ years of web development experience  
Healthy blend of practicality and creativity

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## EXPERIENCE

### University of North Carolina — *America's first public university*

Full Stack Web Developer | JULY 2019 - OCTOBER 2023

Created web applications and server processes in collaboration with researchers **resulting in 4 co-authored academic publications.**

primer-id.org – *Next Generation Sequencing platform*

- Developed with **Next.js + Tailwind CSS**
- Resumable uploads for files of 10+ GB using signed URLs

PhyloDynamics – *A tool to aid in North Carolina's HIV statistics automation*

- Utilized **workload managers** to process compute-intensive tasks
- Deployed to **Kubernetes** via **Docker** containerization

### DropTrack — *A Music Marketing Platform*

Full Stack Web Developer | MAY 2017 - JUNE 2019

**Created and delegated tasks** to 1-2 junior developers using Github Issues.

Developed new features for external users to promote platform growth, tracking user interactions with **Google Analytics**.

Implemented site-wide redesign with performance enhancements such as **improving page load times** by adding AJAX to the SSR-only model.

### DropTrack — *A Music Marketing Platform*

Front End Web Developer | MAY 2016 - MAY 2017

### MC3 — *An events and training company*

Junior Web Developer | JULY 2015 - APRIL 2016

## EDUCATION

### Kalamazoo Valley Community College — *Computer Science A.A.S.*

2013 - 2015 | **GPA 3.7**

Volunteered with KVCC's AITP chapter as **Project Manager** for a team of designers and developers. **Team ranked 3rd at national conference** for presentation of SDLC of creating a web application for local non-profit.

## SKILLS

### Frontend

React | Next.js | Typescript  
Tailwind CSS | Material UI  
Figma

### Backend

Google Cloud Platform  
Docker | Kubernetes | Rust  
Bash | SLURM | Python

### Miscellaneous

GitHub Copilot | VSCode  
Remote Teamwork

## OPEN SOURCE CONTRIBUTIONS

**Figtree** Java desktop applet  
Added color-coded table to compare input with output

**Viral\_seq** Ruby gem  
Added a visual dashboard of processed data.

## LANGUAGES

English (US)  
Dutch (BE)  
French (BE)  
Spanish (MX)  
Russian (BG)  
(Digital nomad for ~10 years)

## ACADEMIC PUBLICATIONS

PMID:  
33796612, 32663847,  
36326446, 37283544