

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

