Michael Clark

Full Stack Web Developer since 2015

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EXPERIENCE

The University of North Carolina | Next.js, Linux, GCP

Research Developer | JUNE 2019 - PRESENT

Collaborated with scientific staff to create applications and processes

- Designed wireframes during non-technical meetings
- Developed with cutting-edge languages and frameworks
- Deployed to hybrid resources, on-campus and cloud

Utilized cluster server to to perform compute-intensive processing

- Used workload managers to process Next Generation Sequencing, allocating appropriate RAM and CPU requirements per batch
- Handled file transfers of 1GB+ via cloud storage

Participated in all stages of academic procedure

- Planned and diagramed projects during proposals for quick prototypes
- Provided appropriate documentation for a non-technical community to reproduce and use software products via containerization

DropTrack | PHP, jQuery, SCSS, AWS, Stripe, A/B Testing

Full Stack Web Developer | MAY 2016 - JUNE 2019

Eventually lead task creation and delegation to 1-2 junior developers

- Progressed from frontend to platform leader within first year
- Used Github issues to outline and track tasks
- Mentored by whiteboarding and pseudocoding concepts with juniors

Implemented site redesign while making major technical improvements

- Replaced process-heavy jQuery functionality with CSS features
- Improved page load time by splitting up SSR-only model

Handled major reactive production issues

- Upgraded server's PHP version when Facebook rejected API requests such as users being able to log in
- Replaced Flash-dependent libraries on browser deprecation

MC3 | PHP, jQuery, CSS

Junior Web Developer | July 2015 - September 2016

-Developed features under a non-programmer manager
-Integrated Auth0 Single Sign On from parent platform

SKILLS + TOOLS

Frontend
React Next.js
Tailwind CSS
Figma

Backend
Google Cloud Platform
Docker
Workload Management
Kubernetes

Miscellaneous
VIM + VSCode
Mentoring

EDUCATION

Kalamazoo Valley Community College
A.A.S., Computer Science, 2015

LANGUAGES

English (US)
Dutch (BE)
French (BE)
Spanish (MX)

ACADEMIC PUBLICATIONS (PMID)(co-author)

33796612
32663847
36326446