

# Nathaniel C Napier

Software Engineer

## SUMMARY

Detail oriented full stack web developer with a background in analytical sciences. I have a passion for creating digital assets that improve the way people interact with others and the world around them. Experienced in collaborating across teams to accomplish goals and deliver results.

## WORK EXPERIENCE

### DMPK Research Associate, Senior at Vanderbilt University, Nashville, TN

#### Warren Center for Neuroscience Drug Discovery

August 2017 — Present

- Designed, built, and deployed a full stack web application for scheduling, upkeep, and communication of laboratory equipment. This application is now an integral asset in the day-to-day functioning of the lab.
- Program platforms for assay automation
- Upkeep, repairs, and maintenance of all laboratory equipment within the DMPK lab- most notably MS/MS-LC systems.
- Data analysis and benchwork experimentation.

**DMPK Lab Manager (Full Stack Web App)** – Allows for intra-laboratory communication from desktop or smartphone. Users can check the current status of lab equipment, as well as schedule time on equipment and request repairs. DMPK Lab Manager serves as a central hub for team members to communicate about projects, instrument status, scheduling, and collaboration- eliminating the need to consult multiple resources.

**Teach Used: HTML, CSS, JavaScript, React, Node.js, MongoDB**

### Research Administrator at Vanderbilt University, Nashville, TN

#### Medical-Image Analysis and Statistical Interpretation Lab

October 2016 — August 2017

- Acquisition and management of data vital to research operations.
- Writing code to compile large datasets from collaborating researchers, laboratories, and data banks.
- Overseeing the design and implementation of projects within the lab. Coordinating studies across multiple labs in several states with traveling volunteers.

### Forensic Special Chemist, Aegis Sciences Corporation, Nashville, TN

March 2015 — October 2016

- Extraction and purification of analyte from patient sample using various extraction methods. Design and update SOP to improve assays.

### Chemist, ESC Lab Sciences, Nashville, TN

May 2014 — March 2015

- Performed digestion of soil, water, sludge, and other environmental samples for analysis via ICP/MS.
- Contamination control and various laboratory maintenance and upkeep.

References available upon request.

## CONTACT

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## SKILLS

HTML

CSS

JavaScript

React

C#

Python

Node

MongoDB

SQL

OOP

Web Accessibility

## EDUCATION

### Tennessee Technological University

2010 - 2014

graduated: May 2014

Major: Biochemistry

cum laude

