

Nathaniel J. Liberty

// Software Developer

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myProfile

Driven software developer with experience using JavaScript and web technologies to build creative solutions for the healthcare industry and other projects. Reduced time needed for monthly hospital-wide controlled substance audit from two weeks to under an hour. Ensured continuous delivery of outpatient pharmacy services by expeditiously creating modern replacements for sunset applications.

myExperience

Northwell Health — Manhasset, NY

Data Analyst, October 2016 to present

I use Node.js and VBA for hospital pharmacy data analysis and analytics concerning medication safety, antimicrobial stewardship, employee performance, and more. I also create scripts used to automate processes in our department and maintain medication dosing calculators and other tools to facilitate pharmacists' workflow.

myProjects

C2 Auditing Tools

A desktop application that expedites the auditing of controlled substance chain of custody, tracing restricted medications from time of dispensing, to time of administration or other disposition.

Study Drug and Cytosan Label Makers

Two desktop applications that allow pharmacists to create outpatient medication labels of varying formats featuring live preview and automatic dosing calculations and conversions.

VaccTrac

A proof-of-concept to demonstrate the feasibility of using a mobile application to assist patients in tracking their own vaccination histories and needed future vaccines.

abigailandnathaniel.com

A wedding website presenting information about the ceremony, accommodations, photos, and more with a responsive design.

myEducation

Montclair State University
Montclair, NJ

M.A. in Music Theory and Composition
B.Mus. in Music Theory and Composition

GPA: 3.978
GPA: 3.837