

# Michael Mayor

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Full Stack Web Developer with a background in Biomedical Engineering. Detail-oriented developer with an eye for user-focused designs and effective, efficient functionality. A talented bug-fixer and problem solver, often turned to for clever solutions to difficult problems. Recipient of University of Connecticut Web Development Certificate

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## Technical Skills

**Languages:** JavaScript ES6+, JSX, CSS3, HTML5, SQL, NoSQL, Matlab

**Applications:** GitHub, MongoDB, MySQL, AutoCAD

**Tools:** Express, React, Node, Handlebars, Query, Bootstrap, Material UI

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## Projects

**Foster Kitten Helper** | [github.com/swimmaison/Kitten-Helper](https://github.com/swimmaison/Kitten-Helper) | [foster-kitten-helper.herokuapp.com/](https://foster-kitten-helper.herokuapp.com/)

- A webapp assistant for fostering neonatal kittens, including tools to track weight and food intake and resources to assist in keeping kittens healthy.
- Core responsibilities: UI Design, Front-end functionality, Full-stack Bug Fixing
- React, JSX, Javascript, CSS, NoSQL, JWT, NodeChron, NodeMailer, Material UI

**Simple Retail Database** | [github.com/rebecca88oliver/Simple-Retail-Database](https://github.com/rebecca88oliver/Simple-Retail-Database) | [gentle-retreat-04355.herokuapp.com/](https://gentle-retreat-04355.herokuapp.com/)

- An online customizable retail database intended for use by small businesses that need individualized, unique information tracking for their inventory
- Core responsibilities: UI Design, Back-end Database, Front-End Functionality, Full-stack Bug Fixing
- Javascript, CSS, HTML, MySQL, Handlebars, Express

**User Directory** | [github.com/MichaelMayor/UserDirectory](https://github.com/MichaelMayor/UserDirectory) | [afternoon-beyond-85151.herokuapp.com/](https://afternoon-beyond-85151.herokuapp.com/)

- A demonstration of possible format for a company's user directory.
- Core responsibilities: Individual Project
- React, JSX, Javascript, CSS, Bootstrap

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## Work Experience

**IT Support, Portland Public Schools** Portland, CT

October 2020-Present

Restructured inventory management system in wake of COVID-19 disaster

Reduced device repair turnaround by over 90%

**Technician, OR Specialties** Trumbull, CT

May 2018-May 2020

Coordinated device training and troubleshooting assistance for medical personnel.

**Tutor, Varsity Tutors/ Self-employed** Rochester, NY

January 2011-Present

Educated college and high school students in math, science SAT, ACT, and SAT II with a 100% satisfaction rate

**PMV Test Technician, Medtronic** North Haven, CT

December 2016- June 2017

Executed troubleshooting for Medtronic medical devices in their Post Market Vigilance Department  
Collaborated with Medtronic manufacturing engineers on product design and process improvements to reduce device failure

**Medical Software Assistant** *Center for Orthopaedics* Hamden, CT

November 2015- January 2016

Directed medical staff with interpretation and operation of new medical software  
Trained doctors, nurses, and medical assistants in use of recently acquired Greenway software to ease transition to new system

**Project Lead Designer** *PharmAdva* Rochester, NY

October 2014-May 2015

Developed a travel attachment for PharmAdva's automatic home medication device dispenser  
Designed prototype iterations and drafted blueprints using AutoCAD for fabrication using a 3D printer  
Lead team in problem solving brainstorming sessions using engineering design methods

**Intern** *Connecticut Office of the Chief Medical Examiner* Farmington, CT

July 2014-August 2014

Assisted OCME staff with autopsies  
Organized and computerized medical records

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**Education**

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**University of Connecticut** Storrs, CT January 2020

*Certificate in Full Stack Web Development*

**University of Rochester** Rochester, NY May 2015

*Bachelor of Science in Biomedical Engineering, Biosystems and Signals Concentration*

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**Community Leadership Experience**

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**Technical Director/Production Manager** *The Opposite of People Theater Company* Rochester, NY January 2011-May 2015

Coordinated the design, direction, and production of each show put on by the company

**Life Scout/Senior Patrol Leader/Order of the Arrow Representative** *Boy Scouts of America* Guilford, CT September 1999-April 2010

Developed and lead community service activities and weekly meetings  
Recruited scouts into the Order of the Arrow, the premier scouting honor society