

# Alexander Harrison

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Portfolio: [alexjharrison.github.io](https://alexjharrison.github.io)

## About Me

Full Stack Web Developer with a background in scientific testing and manufacturing with an emphasis on LEAN efficiency principles. Effective at adapting to new environments and using the tools available to create highly functional and user-focused applications.

## Proficiencies

Node JS, JavaScript, React JS, HTML5, CSS3, MySQL, MongoDB, Sequelize, Mongoose, Bootstrap, Materialize, ORM, ODM, jQuery, Firebase, Express, Handlebars JS, Linux, VS Code, Visual Studio, C#, Java, VBA, PC-DMIS, GIS-Topex, LabX, LabsQ, SAP

## Projects

Hernoku - [hernoku.us](https://hernoku.us)

- Full Stack App which hosts Github projects on raspberry pi
- Applies continuous integration, updates code when Github master branch is updated
- Creates local SQL and Mongo databases for applications to use locally
- Uses React, MySQL, Sequelize, Express, JavaScript, Materialize, Linux, MongoDB

Furry Friend Finder - [furry-friends-finder.herokuapp.com](https://furry-friends-finder.herokuapp.com)

- App which takes in user data and calculates the best dog breed for the user
- Uses JavaScript, NodeJS, Express, jQuery, HTML, CSS, AJAX, Materialize, Wikipedia API

Pigeon - [github.com/alexjharrison/Pigeon](https://github.com/alexjharrison/Pigeon)

- C# application that receives data from coordinate measuring machine and scales, calculates material properties, and automatically stores individual piece properties in database and prints to RFID encoding printer for individualized labels

## Work Experience

QC Technician, Ivoclar Vivadent, Somerset NJ

May 2012 – May 2018

- Designed and implemented C# and VBA apps to improve production efficiency
- Performed material quality control testing according to FDA, QSR & ISO requirements

IT Computer Consultant, Geek Choice, Boston, MA

Summer 2007

- Diagnosed and corrected computer issues in home and small business environments

## Education

Rutgers Full Stack Web Development Coding Bootcamp, Somerset, NJ

June 2018 – August 2018

Full time 12-week course dedicated to learning and developing full stack web applications

Lehigh University, Bethlehem, PA

August 2005 – January 2009

Electrical Engineering Coursework