

# Ryan Royalty

24 Dwight Road, Nottingham, NH 03290 ✦ (978) 302-9465 ✦ [rroyalty@gmail.com](mailto:rroyalty@gmail.com)  
[linkedin.com/in/rroyalty](https://www.linkedin.com/in/rroyalty) ✦ [github.com/rroyalty](https://github.com/rroyalty) ✦ [rroyalty.github.io](https://rroyalty.github.io)

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Fledgling Full Stack web developer with a bachelor's degree in mathematics striving to learn all about the different technologies available, and discover his niche, in a developer's world. Earned a certificate in Full Stack Web Development from the University of New Hampshire Coding Boot Camp with an A+ final grade. Meticulous problem-solver with strengths in teamwork, self-driven learning, and communication.

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## EDUCATION

**University of Massachusetts in Amherst, Massachusetts**

B.S. in Mathematics

*Fall 2003 – Spring 2008*

**Full Stack Coding Bootcamp, University of New Hampshire**

*Fall 2020 – Spring 2021*

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## TECHNICAL SKILLS

**Languages:** Typescript, Javascript ES6+, HTML5, CSS3, SQL, NoSQL, VBA, PowerQuery M  
**Applications:** GitHub, Heroku, VSCode, MySQL, MongoDB, FileMaker, PowerQuery, Excel, Illustrator  
**Tools:** React, Redux, Express, Node, Sequelize, MaterialUI, Axios, JQuery, Bootstrap, Passport, Handlebars

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## PROJECTS

**Bandwidth** ✦ [github.com/rroyalty/bandwidth](https://github.com/rroyalty/bandwidth) ✦ [bandwi-d-th.herokuapp.com/](https://bandwi-d-th.herokuapp.com/)

**Summary:** A social media application for connecting musicians to other musicians locally.

**Role:** Front-end Developer

**Technologies:** Typescript, React, MaterialUI, Heroku, Redux, Sequelize, Express, Auth0, Axios, Illustrator

**Stretch-n-Strengthen** ✦ [github.com/crrmarchese/stretch-n-strengthen](https://github.com/crrmarchese/stretch-n-strengthen) ✦ [stretch-n-strengthen.herokuapp.com/](https://stretch-n-strengthen.herokuapp.com/)

**Summary:** An application for discovering exercises and creating exercise routines.

**Role:** Back-end Developer

**Technologies:** Javascript, Express, Sequelize, BCrypt, Passport, Axios, Handlebars

**Easy Recipeazy** ✦ [github.com/tonipow3ll/drinks-and-dinner](https://github.com/tonipow3ll/drinks-and-dinner) ✦ [tonipow3ll.com/drinks-and-dinner/](https://tonipow3ll.com/drinks-and-dinner/)

**Summary:** An application for discovering recipes based upon ingredients selected and stored.

**Role:** Back-end Developer

**Technologies:** Javascript, JQuery, Bulma

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## EMPLOYMENT HISTORY

**Foresight Regulatory Strategies in North Andover, Massachusetts**

*October 2016 – Present*

Data Analyst

- Analyzed data provided by clinical trial subjects in order to find meaningful trends using Microsoft Excel, PowerPivot, PowerQuery, FileMaker, and SQL.
- Organized the data in order to append it to clinical trial reports and present it to clients in a clear and meaningful way.
- Adhered to the strict standards of the FDA when handling clinical data and designing software solutions.

Software Development

- Created a custom inventory management solution using FileMaker from scratch in order to monitor the movement and statuses of clinical materials into and out of Foresight Inventory and various clinical trial sites.
- Created a user interface using VBA to immediately generate clinical reports.

**Birch Rock Summer Camp, ACA Accredited, in Waterford, Maine**

*Summers 2007 – 2016*

Wilderness Director

*Summers 2010 – 2016*

- Led the wilderness trip schedule for 7 weeks in each camp year, including scheduling for about 150 campers and 20 staff members.

- Wrote itineraries and prepared supplies for 7 to 14 trips of varying lengths.
- Devised and oversaw the fiscal plan for the entire program.
- Lead multi-week outdoor trips developing teamwork and outdoor skill sets for campers.
- Ensured that the wilderness program was up to ACA accreditation standards in 2012 and 2015.

Water Safety Instructor and Lifeguard

*Summers 2007 – 2009*

- Organized and led the Red Cross Certified swim program with over 100 participants.
- Developed swim lessons for boys ages 8 through 15.
- Responsible for the overall safety of the swim program.

**Summit Educational Group in Newton, Massachusetts**

*2012 – 2015*

SAT Preparatory Tutor

- Educated students on math subject matter and successful test taking strategies in order to bolster SAT scores.

**Northampton High School in Northampton, Massachusetts**

*2009 – 2011*

10<sup>th</sup> Grade Geometry Teacher

*2010 – 2011*

- Crafted a complete curriculum including, tests, quizzes, homework, and assignments.
- Used personal time to grade assignments and develop lesson plans.
- Actively engaged students in the learning process.

Substitute Teacher and Tutor

*2009 – 2011*

- Tutored multiple levels of high school math from Algebra to Calculus to struggling students.

**Monumentails in Boston, Massachusetts**

**The Fetching Hound in Boston, Massachusetts**

Dog Walker

*2012 – 2017*

- Maintained safe control over groups of dogs of varying sizes and temperaments.
- Trusted by clients with access to residences and care of their dogs in their absence.