nbe.devpro@gmail.com | (480)329-4848 | Phoenix, Arizona
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Website: https://nbegray.github.io/

# Natalie B. Edmonson

## Summary

Full-stack web developer and Medical Laboratory Scientist seeking a full-time
web development position. Experienced in JavaScript, jQuery, Node.js,
Express.js, Bootstrap, Firebase, mySQL, Sequelize, MongoDB and other front &
back-end tools, frameworks & technologies. Superior knowledge base in
biological sciences and science education. Educational background includes a BS
Microbiology, certification in Clinical Immunology through American Society for
Clinical Pathology, certification as a K-12 Specialized Secondary STEM teacher
in Arizona, and also completion of the University of Arizona Full-Stack Web
Development Certificate program in 2019.

## Technical Skills

HTML5 , CSS3, Bootstrap, JavaScript, jQuery, AJAX, GIT, GitHub, Node.js,
Express.js, MomentJS, MySQL, Sequelize, MongoDB, React.js, JAVA, RESTful APIs,
Command-line code, Technical writing - SOP & Tests, TAT based product/project
delivery, Inventory management, Employee training, Data collection & analysis,
experience in/knowledge of HIPAA & medical/biomedical lab regulations, inventory
control & supply management, instrumentation maintenance and troubleshooting.

## Projects

1) **Visit a Meteorite Application** : I worked as one of the back-end developers in this group project, creating event listeners and MomentJS to the application framework. The application was developed using Javascript, jQuery, MomentJS, Google Firebase database, utilizing HTML5 and Materialize CSS framework. Using NASA API and Google Maps API our group built an interactive web application that logs and displays user searches for meteorite impacts anywhere in the world. Link: https://bobachu.github.io/project1/

2) **Farmer's Market Finder Application** : I worked as a back-end developer on this project, creating the event listeners and linking the USDA API database to the application. Farmer's Market Finder is a full-stack development group project created using front-end and back-end technologies. Front End Tech: Bulma, Boostrap4, HTML5, CSS3, JavaScript & jQuery. Back End Tech: Node.js, Express.js, Sequelize, Postman, mySQL2, GitHub & hosted by Heroku. Link: https://nbegray.github.io/project2/

3) **Train Scheduler Application :** I was the primary developer for this simple application that utilized Firebase, MomentJS, Bootstrap4 framework and Javascript to create a functional train schedule application that calculates the arrival/departure times, displays the countdown for next train arrivals. The application also allows users to enter a train & its schedule, which is stored on the Firebase server. Link: https://nbegray.github.io/rps2/

## Experience

### ASU Preparatory Academy, South Phoenix High School PCA — *H.S. Biology & 8th Grade Integrated Science Teacher*

July 2018 - Jan 2019

- Developed an innovative science curriculum from scratch following the NGSS & AZ state standards that was implemented at the school, incorporating hands-on laboratory sessions & lecture for 8th grade & HS Biology courses.
- Developed laboratory protocols and procedures for HS & 8th grade science courses.

### St. Andrew Catholic School, Riverton, Utah — *Science Teacher*

July 2017 - May 2018

- Developed an innovative science curriculum following the NGSS & UT standards that was implemented at the school, incorporating hands-on laboratory sessions & lecture for 5th-8th grades.
- Provided advisory & support for the annual Science Fair held at the school for 5-8th grade.

### Utah State Public Health Laboratory, Taylorsville, Utah — *Technical Supervisor, Immunology & Serology*

Dec 2016 - July 2017

- Optimized specimen tracking, disposal and safety procedures for the Immunology department.
- Updated SOP documents regularly in the department to comply with medical laboratory regulatory agency requirements & HIPAA regulations.

### ARUP Laboratories, Inc., Salt Lake City, Utah — *Technologist II, Lead - Immunology*

Jul 2004 - Dec 2010 & Aug 2015 - Jan 2017

- Created a new employee training module to increase effectiveness of training and performance monitoring of new & existing employees within the department
- Tracked trends and patterns of results for highly complex - moderate complexity testing in the department and utilized algorithms to ensure results were acceptable for release to clients.

## EDUCATION

### University of Arizona – Full-Stack Web Development BootCamp, Chandler, AZ — *Certificate in Full-Stack Web Development*

Jan 2019 - Apr 2019, Chandler, Arizona

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### Brigham Young University, Provo, UT — *B.S., Microbiology*

Aug 2000 - Apr 2004, Provo, Utah