

NATALIE E. BULGER

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EDUCATION

CARLETON COLLEGE, Northfield, MN: B.A. in Chemistry

Graduated: March 17th, 2019

HOFSTRA UNIVERSITY, Hempstead, NY: M.S. in Sports Science

Graduated: June 29th, 2021

UNIVERSITY OF WASHINGTON, Seattle, WA: Coding Bootcamp

Anticipated: August 13th, 2022

TECHNICAL SKILLS

- Research Software: Tableau, STATA, REDCap, CODESTAT, ESO, CAD, Dedoose
- Trained in: HIPAA guidelines, Arrive Alive, ORCA, HIV/AIDs, Logis, Pulsara, IRB
- Web Development: Javascript, HTML, CSS, web-based APIs, server-side APIs
- Medical Terminology & Processing of laboratory samples

WEB DEVELOPMENT PROJECTS

Link to Portfolio: <https://nbulger1.github.io/bulgern-portfolio/>

Title: My Recipes

Languages & Technologies: HTML, CSS, Javascript, Local Storage, DOM Manipulation, Server-Side APIs (Edamam)

Description: My Grandma's Recipe Box provides healthy and home style recipes from my grandma's kitchen to the homechef. The user is able to search for recipes that have the ingredient of their choice. The search form has an autocomplete feature that suggests recipe ingredients to users when they start typing the ingredient. The user is able to filter on health label, cuisine type and meal type. The user is able to save favorite recipes in the Recipe History so that they can revisit the url of the recipe at a later date.

URL: <https://nbulger1.github.io/my-recipes/>

Title: Weather Dashboard

Languages & Technologies: HTML, CSS, Javascript, Local Storage, DOM Manipulation, Server-Side APIs (openweathermap.com)

Description: The user story highlighted a traveler that wants to see the weather forecast for multiple to assist travel planning. The acceptance criteria included a page load that presents a weather dashboard with form inputs. The search input for a city should present the current and future conditions within that city as well as add the city to the search history. When viewing the current weather conditions the user should be presented with the city name, the date, an icon weather representation, the temperature, humidity, wind speed and UV index. The UV index should be color coded based on a favorable, moderate, or severe value. The future weather should be presented as a 5-day forecast that displays the date, an icon representation of the weather, the temperature, wind speed, and humidity. Finally, when the city is clicked on in the search history then the browser should present the weather again.

URL: <https://nbulger1.github.io/weather-dashboard/>

Title: Code Quiz

Languages & Technologies: HTML, CSS, Javascript, Local Storage, DOM Manipulation, web-based APIs

Description: The user story stated that the user is a coding bootcamp student who wants to take a timed quiz on Javascript fundamentals. The acceptance criteria included a start button that starts the timer and presents the first question. When the question was answered then the user was to be presented with another question. If the answer was incorrect then time was to be subtracted from the timer. After all the questions were answered or the timer reaches 0 then the quiz should be over. The user should be able to save their initials and scores to gauge progress as well as compare with peers.

URL: <https://nbulger1.github.io/code-quiz/>

PROFESSIONAL EXPERIENCE

ORANGETHEORY FITNESS - MERCER ISLAND, WA

Head Fitness Coach

Fitness Coach

January 2022 – Current

July 2021 – January 2022

- Managing a team of 6 fitness coaches
- Creating class schedules & evaluating coach performance
- Ensuring equipment is functioning appropriately
- Facilitating continuing education through workshops and all-staff meetings
- Instruct group fitness classes (Up to 42 people)

HARBORVIEW MEDICAL CENTER & SEATTLE FIRE MEDIC ONE - SEATTLE, WA

Research Coordinator

August 2020 – June 2021

Research Assistant

June 2018 - August 2020

- Work on a plethora of research projects primarily involving airway management, end-tidal carbon dioxide, out-of-hospital cardiac arrest
- Work with a variety of softwares including: REDCap, STATA, ORCA, CODESTAT, ESO, and CAD
- Presented ongoing research at national conferences
- Completed IRB requests, research grants, and research manuscripts
- Manage and schedule current research assistants and maintain a record of the status of current research projects

NORTHWEST AMBULANCE - EVERETT, WA

Emergency Medical Technician

June 2019 – June 2020

- Work one shift per week, ranging from 10-24 hours, on different rigs throughout King, Snohomish, and Pierce County
- Work on both 911 and interfacility rigs to transport a variety of Basic Life Support patients
- Perform patient assessments, take basic vital signs (heart rate, respiratory rate, blood pressure, temperature, blood glucose levels, oxygen saturation), and participate in a two provider team during each shift
- Interact with nurses, physicians, firefighters, and paramedics during every shift

HARBORVIEW INJURY PREVENTION & RESEARCH CENTER - SEATTLE, WA

Intern Research Assistant

June 2017 – August 2017

- Conducted an independent project on the Trauma Patient Transfer Process at Harborview under the guidance of a physician mentor
- Assisted on an ongoing research project at Seattle Children's Hospital for the presence of safe firearm storage in households
- Worked with the Dedoose software for qualitative research projects
- Attended multiple lectures per week on various clinical topics
- Shadow my physician mentor in clinics and the operating room

HARBORVIEW MEDICAL CENTER DEPARTMENT OF TRAUMA SURGERY - SEATTLE, WA

Volunteer Research Assistant

June 2016 – December 2016

- Assisted with sample collection and processing as well data entry for a randomized clinical trial for dosage delivery of tranexamic acid (TXA) in the prehospital setting, by Seattle Fire intensive care paramedics, for traumatic brain injuries
- Used many wet lab techniques, including micro-pipetting, centrifuging, working in a fume hood, and use of a TEG apparatus
- Follow a multi-step protocol in a wet lab research setting
- Screened for patients that met the criteria for other ongoing clinical research projects while on shift

CERTIFICATIONS & PUBLICATIONS

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| <ul style="list-style-type: none">• NREMT; WA State EMT (IV-M)• Stop the Bleed Instructor• CPR/AED | <ul style="list-style-type: none">• CITI Training• NASM CPT• OTFIT |
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- **Bulger N.**, et al. (2021, July). *Prehospital End Tidal Carbon Dioxide Predicts Hemorrhagic Shock Upon Emergency Department Arrival*. Manuscript published in the *Journal of Trauma*.
 - **Murphy D, Bulger N** et al. (2021, July). *Fewer Tracheal Intubation Attempts are Associated with Improved Neurologically Intact Survival Following Out-of-Hospital Cardiac Arrest*. Manuscript published in *Resuscitation*.
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