

DANA BEHLING MURPHY

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EDUCATION

DEVCODECAMP

Certificate: Full Stack Development

Milwaukee, WI

Apr 2020 – Jul 2020

EDGEWOOD COLLEGE

Bachelor of Science: Biology; Minor: Psychology

Madison, WI

Jan 2011 – May 2014

UNIVERSITY OF DENVER

Majors: Biology, Psychology; Concentration: Cognitive Neuroscience

Denver, CO

Sep 2009 – Jun 2010

TECHNOLOGIES

AJAX

ASP.NET Core

Bootstrap

C# .NET

CSS

Git

HTML

JavaScript

jQuery

JSON

RESTful APIs

SQL

EXPERIENCE

DEVCODECAMP

Student, Full Stack Developer

Milwaukee, WI

Apr 2020 – Jul 2020

- *Individual Capstone – Application Tracker*
 - Created program for job applicants to organize their job applications, test their technical knowledge, and email a weekly preview of their applications that need follow up and upcoming interviews
 - Technologies: ASP.NET Core MVC, C#, SQL, MailKit, MimeKit, Chart.js, JavaScript, Bootstrap, HTML
- *Group Capstone – Community Garden*
 - Developed program to connect interested gardeners to a network of community gardens involving local garden recommendations based on location, a forum, and search functionality
 - Technologies: ASP.NET Core Web API, ASP.NET Core MVC, C#, SQL, Google Maps API, Google Geocoding API, JSON, CSS, HTML
- *Movie Library*
 - Built custom REST web API and connected to a jQuery frontend in a paired programming setting
 - Technologies: ASP.NET Core Web API, Postman, C#, AJAX, jQuery, JavaScript, CSS, HTML
- *Custom List*
 - Utilized test driven development to build a customized C# List<T> class without using built-in list or array methods
 - Technologies: C#, automated unit test framework

MEDICAL COLLEGE OF WISCONSIN

Research Technologist III, Department of Surgery

Milwaukee, WI

Oct 2019 – Mar 2020

- Performed rodent survival surgeries consistently to assess hepatic function after ischemia-reperfusion injury
- Garnered and analyzed data in GraphPad Prism to present to principal investigator
- Reviewed academic literature to guide new research projects and developed innovative experimental design
- Negotiated with vendors on an ongoing basis to improve pricing structures for the procurement of key laboratory tools
- Purchased and maintained detailed inventory of laboratory supplies, specimens, surgeries, and animals

MEDICAL COLLEGE OF WISCONSIN

Research Technologist II, Department of Medicine

Milwaukee, WI

Jan 2018 – Oct 2019

- Generated preliminary data through various assays and interpreted statistical analysis in SPSS and MS Excel
- Dissected and cannulated human and rodent microvessels to study coronary artery disease
- Coordinated project scheduling among collaborators seamlessly to conduct studies efficiently
- Propagated and reprogrammed numerous strains of human induced pluripotent stem cells (hiPSCs) to generate cardiomyocytes
- Carried out experimental designs for research projects and troubleshoot as necessary

MEDICAL COLLEGE OF WISCONSIN

Research Technologist I, Department of Physiology

Milwaukee, WI

Jun 2015 – Feb 2018

- Executed complex projects in congruence with established protocols
- Communicated effectively with laboratory team and collaborative research groups

- Performed animal husbandry for large rat and mouse colonies and developed new congenic strains
- Cryosectioned and paraffin sectioned precisely and performed immunohistochemistry staining to make publication quality slides
- Identified and implemented areas of cost savings and improved best practice
- Curated accurate, detailed records and organized inventory of specimens, products, animal colonies
- Maintained clean, organized laboratory spaces in compliance with institutional standards

ADDITIONAL

- Academic Publications
 - Two original research papers published in *Breast Cancer Research and Treatment*
 - Six original research posters shown in conferences globally
- Enjoy downhill skiing, bicycling, sailing, windsurfing
- Service Club of Milwaukee – Life Member (since 2006)