

Cynthia A. Morgan
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Objective:

Determined and enthusiastic Software Developer with an eagerness to learn and a passion for STEM looking to transition from education into the tech industry.

Education:

- Eleven Fifty Academy, Software Development Immersive Learning Program, Indianapolis, IN, May 2021
 - 24-week Software Development Program; real-world project-based learning with 500+ hours of coding time
- Udacity, Introduction to Programming Nanodegree, 2020
- Indiana University School of Medicine, Doctor of Philosophy in Biochemistry & Molecular Biology, Indianapolis, IN, 2015
- Purdue University, Master of Science in Mathematics, Indianapolis, IN
- Purdue University, Bachelor of Science in Biology, Indianapolis, IN

Competencies & Functional Skills:

Logical and analytical, problem solver, productive, quick to learn, critical observation and thinking, Agile methodology, multiple project presentations (individual and team), organized and industrious, results oriented.

Technical Skills:

Languages: C#, ASP.NET, API development, Python, JavaScript, HTTP methods, MVC, pair programming

CI/CD: Agile, Git

Databases: SQL Server, relational databases

Web Technologies: HTML, CSS, APIs, stateless components, session validation, responsive web design

Technical Projects:

- **Math Masters Tutoring Service** – An ASP.NET MVC Web Application connecting math students to local tutors.
- **School Web App** - Designed a .NET Framework API Web Application using n-tier architecture for school administrators.
- **Pixel Art Maker** - Created a single page web app allowing users to draw pixel art on a customizable canvas.

Professional Experience:

- Mathematics Teacher, Cardinal Ritter High School, Indianapolis, IN, 2018 – Current
 - Educated and mentored junior high and high school students in Algebra 1, Algebra 2, and Pre-Calculus
- Adjunct Professor, Indiana University – Purdue University, Indianapolis, IN, 2017 – 2018
 - Lead Instructor for Contemporary Biology and Laboratory Instructor for Human Physiology
- Postdoctoral Fellow, Indiana University School of Medicine, Indianapolis, IN, 2015 – 2017
 - Identified small molecules targeting glycogen synthase for the treatment of glycogen storage diseases.
- Reserve Officer, United States Navy, Dayton, OH, 2012 – 2017
 - Information Warfare Officer – Office of Naval Intelligence
- Postdoctoral Fellow, University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA, 2015
 - Characterized human AKR1C3 enzyme kinetics for the development of new drug therapies for prostate cancer.
- Graduate Student Research Assistant, Indiana University School of Medicine, Indianapolis, IN, 2010 – 2015
 - Discovered the first, selective inhibitors of human ALDH1A1; characterized compounds using enzyme kinetics, cell culture, and structural biology; executed three projects, leading to four publications; provisional patent

Awards & Achievements:

- NIH T32 Postdoctoral Training Fellowship in Diabetes and Obesity Research, 2015-2017
- Trainee Award, 17th International Workshop on the Enzymology and Molecular Biology of Carbonyl Metabolism, 2014
- Best Presentation Award Co-Winner, IU Biochemistry Research Day, 2014
- Kentucky Colonel by the Commonwealth of Kentucky, 2013
- Jack Davis Award for Best Seminar by a Graduate Student, 2012 – 2013
- Indiana University Graduate University Fellowship, 2010 – 2011