Michele Parsley-Lanning D.O.

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﻿GitHub: <https://github.com/mpdo2017>

***Technical Skills:***

* Programming languages: *Java, JavaScript, CSS, HTML, SQL, Python*
* Software Development Tools: *Eclipse IDE, IntelliJ IDEA, Maven, Slack, Trello, Jira*
* Data Management Tools: *Jupyter Notebook, Excel*
* Data analysis: *data mining, cleaning, and modelling*
* Data visualization: *Pandas, NumPy, Seaborn, Matlibplot, Scikit-Learn*
* Application servers: *NodeJS, JBoss, Tomcat*
* Cloud platforms: *Heroku*
* Software testing tools: *JUnit, Postman (API testing), working knowledge of Selenium Webdriver IO, Protractor*
* Operating systems: *Windows, OSX*
* Command line: *Bash (OSX), Git*
* Database systems: *SQL Server, MySQL, SQLite ,H2*
* Frameworks: *Spring, Spring Boot, Bootstrap, JQuery, Thymeleaf, Hibernate, JPA*

# Work experience

## Chemical Abstracts Services (CAS) ▪ Columbus, Ohio

### *Tech Talent Acceleration Program(TAP) Engineer*

06/2020 –Present

* A two-year program designed to introduce high-potential, early career professionals to multiple functional areas within CAS Technology.

## Riverside Methodist Hospital ▪ Columbus, Ohio

### *Internal Medicine Resident*

06/2017 – 03/2019

* Was an active participant in the Peer Review
* Committee and the Critical Care Committee.
* Procedures completed: Central Venous Catheter (8), Hemodialysis Catheter insertion (2), Arterial Line Placement (5), Endotracheal intubation (6), Pap smear (3).
* Successfully completed intern year. Resigned due to a personal family matter and to pursue other career opportunities.
* Licensure exams: COMLEX STEP 3: Passed 99th percentile (02/2020) COMLEX STEP 2 PE: Passed (02/2017), COMLEX STEP 2 CE : Passed 99th percentile (2016), COMLEX STEP 1: Passed 95th percentile (2015), USMLE STEP 1: Passed 95th percentile (2015)
* Medical training certificate (D.O.) 06/2017 Ohio State Medical Board License number: 58.008274
* Obtaining full unrestricted Ohio state medical license: Currently pending 9/2020

## Adena Regional Medical Center ▪ Chillicothe, Ohio

### *Staff Radiologic Technologist*

08/2004 – 06/2013

* Responsible for obtaining orders and performing imaging for the physician,

preparing patients for fluoroscopic procedures, having a strong understanding of

anatomy to ensure diagnostic quality imaging was performed for interpretation by a radiologist, performing quality checks on diagnostic equipment, and practicing radiation safety daily.

* Named BLS instructor for the diagnostic radiology department in 2012 and responsible for providing education and training department staff in BLS to help maintain their certification.
* Nominated to the Patient care experience team and implemented a patient care liaison to help patients navigate not only the radiology department but the hospital systems as a whole.
* Participated in Lean Six Sigma Yellow and Green Belt training.
* Resigned to attend medical school.

# Education

**Tech Talent South (TTS)**

*Code Immersion Bootcamp: Full Stack Web Development with Java*

*Big Data Analytics and Machine Learning*

06/2019 – 08/2019

Course covering the fundamentals of web development and programming.

* Course content included: Instruction in HTML/CSS/JavaScript, JQuery and Bootstrap, Bash command line, Git/Github, SQL database, REST API design/implementation, Cloud deployment, Java Core development along with Eclipse and Spring. Completed 3 class projects during the course.
* Since course completion, I have continued working independently as well as with a mentor to further deepen knowledge and improve coding skills.

*Big Data Analytics Course*

10/2019 - 11/2019

* Course covering core concepts of data analytics including data cleaning, exploratory data analysis, data visualization, and introductory machine learning.

## Ohio University Heritage College of Osteopathic Medicine ▪ Athens, Ohio

### *Doctor of Osteopathy (D.O.)*

06/2013 – 05/2017

* Top 10% achieved on Musculoskeletal, Hematology, Palliative, Geriatrics, Immunology block exams.
* Top 20% achieved on Cardiovascular, Gastroenterology, Ears, Nose and throat block exams.

## Shawnee State University ▪ Portsmouth, Ohio

### *B.A. Biology with Biomedical Science Concentration. Minor Chemistry*

08/2007 – 05/2011

* Courses completed: General Biology, Anatomy, Human (Cadaver) Anatomy, Physiology, Pathophysiology, Cellular Biology, Biotechnology, General Chemistry, Organic Chemistry, Analytical Chemistry, Biochemistry, Physics, and Calculus.
* Graduated Cum Laude while continuing to work at Adena Regional Medical Center.
* Participated in the Pre-Med club and was selected to be a General Chemistry tutor.

## Shawnee State University ▪ Portsmouth, Ohio

### *Associate's of Applied Science: Radiologic Technology*

08/2001 – 08/2004

* Graduated Magna Cum Laude.

# Open Source Projects

**To Do List application (TTS project)**

* *Purpose:* A task list that uses the ability to manage items that need to be completed.
* *Skills used:* Eclipse IDE, HTML/CSS/JavaScript/Bootstrap.
* *Interesting challenges:* Decided to import source code into IntelliJ IDEA and expand upon basic to-do list application outside of the classroom with incorporating DOM, AJAX and AlertifyJs (an open source JavaScript framework for developing browser dialogs and notifications.). This provided additional functionality and would give the user a notification message when a task was due based on the due date entered.
* *Overall lessons learned:* An improved working knowledge of DOM and AJAX/JavaScript and IDE Eclipse and IntelliJ.

**Weather Application (TTS project)**

Heroku application address: https://git.heroku.com/frozen-savannah-76578.git

* *Purpose:* Application is to provide users the local weather forecast based on input provided (zip code, city/state)
* *Skills used:* Spring Boot with Maven, Thymeleaf, Lombok, H2, JPA and HTML/CSS/JavaScript/Java while implementing Open Weather Map-Weather API.
* *Interesting challenges:* Incorporating Thymeleaf template syntax with HTML and implementing a response model and controller to handle requests from the user and how those requests are sent to the server.
* *Overall lesson learned:* Improved understanding of using template files in order to display data and/or text produced by an application, how the back-end of application functions and error handling.

**Maps Application (TTS project)**

* *Purpose:* Application allows users to obtain geographical information from a location input.
* Skills used: Spring Boot with Java, Maven Lombok and Thymeleaf while implementing Google Maps JavaScript/Geo-coding/Geo-location API.
* *Interesting challenges:* Creating a Java object to store an API response and how a JSON file is structured. Learning how to implement a project with API implementation and understanding how these files relate to each other.
* *Overall lessons learned:* A better working knowledge of REST API implementation/design as well as project structure setup.

**Twitter Clone Application (TTS project)**

* *Purpose:* Application was to design a Twitter based social media platform
* *Skills used:* Spring Boot with Maven, Thymeleaf, JPA, H2, Java with security and validation implementation.
* *Interesting challenges:* Learning how to manage a project with multiple packages and configuring the settings of an application.properties file in order to construct the database used by the application. Creating a user model to add authentication while incorporating a Many-to-Many relationship and then defining users’ roles. Then learning how to arrange a way to encode the users’ password using the BCryptPasswordEncoder Java class.
* Overall lessons learned: Better understanding of Many-to-Many relationships and relational database usage along with implementing security/validation to a project.

\*Projects in process: Web-based portfolio, Recipe Box application, Book Repository, Agenda application using Angular.

# Self-Study

Java Development:

* Java developer: JetBrains Academy (2019)
* Java Programming Masterclass for Software Developers ( Udemy, 2019)
* Head-first Java: A Brain Friendly Guide, 2nd Edition
* CodeAcademy: Learn Java (2019)

HTML/CSS:

* CodeAcademy: Learn CSS (03/2019)
* HTML tutorial (htmldog.com)

Javascript:

* Head-first Javascript Programming: A Brain Friendly Guide, 1st Edition
* CodeAcademy: Introduction to Javascript (2019)
* CodeAcademy: Introduction to Javascript for APIs (2019)
* Javascript30: 30 projects in 30 days using Vanilla Javascript. (Wes Bos, in process)

Angular:

* ﻿ AngularJs: A complete course (Udemy, in process)

Web Development:

* Responsive Web Design Certification (FreeCodeCamp, in process)

Big Data Analytics/Python Development:

* Datacamp: Data Scientist Python track (in progress)
* Coursera: University of Michigan Introduction to Data Science in Python (in progress)

# Leadership Experience

## Southern Ohio Medical Center ▪ Portsmouth, Ohio

### *OUHCOM/ Southern Ohio Medical Center Core Site Representative*

2015 – 2016

* The spokesperson and contact for classmates to and for the CORE Administrator, gathering information for the CORE Administrator as needed, organizing the nominations and elections for the awards ceremony at the end of the year, submitted a quarterly written report to the Student Government Association about the current status of his/her respective CORE Hospital, represented the CORE site for various functions (i.e., marketing and recruiting activities), serving as a student representative during CORE hospital visits by the Associate Dean of Predoctoral Education and other administrative staff.

## OUHCOM Student Osteopathic Medical Association

### *Co-Author Mental Health resolution*

* Co-authored a resolution on mental health advocacy in medical students, residents and physicians for the 2015 Ohio Osteopathic Symposium submitted to and approved at the American Osteopathic Association House of Delegates July 2015, later published in the “The DO.”

## Adena Regional Medical Center ▪ Chillicothe, Ohio

### *Six Sigma Department Process Improvement Project*

2012 – 2013

* Preceptor: Gwen Lanning- Diagnostic Radiology Department Supervisor
* Description: To answer the question if department could save money by directly importing images into PACS system after performing an Intraoperative Cholangiogram that is then taken to be interpreted by the radiologist after procedure was completed instead of printing images
* Outcome: By directly importing images versus printing the department had a cost savings of approximately $1500.00 per year.

# Volunteering

## Columbus Underground ▪ Columbus, Ohio

### *Events Volunteer*

present

Provide assistance with events such Urban Living Tour and Columbus Coffee Festival.

## Ohio Academy of Science: Virtual State Science Day 2020 ▪ Columbus, Ohio

### *State Science Day Judge*

present

Provide judging of State Science Day entries with a concentration on Biomedical entries.

## COSI (Center of Science and Industry) ▪ Columbus, Ohio

### *Private Events Volunteer*

present

Provide assistance with special events such as COSI after Dark, COSI Science Fest 2018, and Columbus Arts Festival.

## Ohio History Connection ▪ Columbus, Ohio

### *Public Programs Volunteer*

present

Participated in All Hallow's Eve and A Dickens Christmas

## OUHCOM Student Osteopathic Association (SOMA) ▪ Athens, Ohio

### *Fundraiser Organizer*

Organized a Cornhole Tournament Fundraising Event that was held on the medical school campus at Ohio University in Spring 2016. Proceeds benefited a local domestic violence shelter.

## Southeast Ohio Science Fair Grades 5-12 ▪ Athens, Ohio

### *Science Fair Judge*

Provided judging at the science fair that was held at Ohio University. Reviewed projects with participants, provided constructive feedback and awarded a score.

***References Available Upon Request***