John Cardarella

Software Engineer in Kansas City, MO

I care about accessibility whether it is knowledge or physical outreach; everyone should have the tools necessary to pursue their desires.

PHONE 816-223-2126 | **EMAIL** jacardarella@gmail.com
GITHUB github.com/pandaradox | **LINKEDIN** linkedin.com/in/jcardarella

EDUCATION

University of Central Missouri, BS, Chemistry — 2008

LaunchCode, LC101 Programming Course — 2018

PROJECT EXPERIENCE

HTML Intro — Introductory HTML Project displaying a page
- Used HTML and CSS techniques to generate a static webpage
https://pandaradox.github.io/LC101-html-me-something/

Blogz — Introductory HTML Project used in user-based blogging
- Used Flask Templating for generating a dynamic webpage
- Used Python-Accessed SQL for data persistence
https://github.com/Pandaradox/LC101-Blogz

TechJobs — Introductory Java/Gradle Project used in database adding and searching
- Expanded on provided project structure to add and search for jobs in database
- Used Thymeleaf Templating for generating webpages
https://github.com/Pandaradox/techjobs-oo

CheeseMVC — Introductory Java/Gradle Project used in database adding, editing, and searching
- Expanded on provided project structure to add, edit, and search for cheeses in database
- Used Thymeleaf Templating for generating webpages and SQL for data persistence
https://github.com/Pandaradox/cheese-mvc-persistent

SKILLS

PROGRAMMING LANGUAGES
- **Java**
- **Python**
- **HTML5/CSS3**

FRAMEWORKS
- **Spring MVC**
- **Gradle**
- **Flask**

DATABASES
- **MySQL**

TOOLS
- **Eclipse IDE**
- **Atom IDE**
- **Slack**
- **Windows**
- **Microsoft Office**

Personal
- **Lecture/Lab Professor**
- **Lab Method Development**
- **Experimental Design**
- **Production Design and Improvement**
- **Public Speaking**

WORK EXPERIENCE

Chief Scientist — D&Y Laboratories, Holden, MO

September 2009 - Present

- Designed and implemented analytical experiments for product development and quality control methods including bacterial checks and water analysis
- Designed and maintained ultra-pure water management and delivery for a cleanroom setting
- Facilitated exportation of products and foreign trade compliance
- Correspondence with UCM, KU Med, and UMKC for experimentation and sample analysis
- Developed SOPs for instrument operation and maintenance
- Researched and managed the purchase of instruments and equipment
- Developed apparatuses for various solution preparation and critical environment experimentation
- Trained new employees on laboratory procedures and SOPs

Adjunct Professor — University of Central Missouri, Warrensburg, MO

January 2010 - May 2017

- Independent Lecturer for Chemistry 1104: Intro to Sciences
- Lecturer for Chemistry 1104, 1131, and 1132 Laboratory courses
- Prepared course work, demonstrations, and assessments for lecture and lab
- Supervised class safety and awareness

Graduate Assistant — University of Memphis, Memphis, TN

August 2008 - August 2009

- Research project adapting capillary electrophoresis to near real-time analysis of disinfectant by-products in drinking water for terrestrial and microgravity environments
- Repaired and operated a Dionex Capillary Electrophoresis system
- Taught General Chemistry Recitation and Laboratory
- Taught Instrumental Analysis Laboratory