Ryan Mooney

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Website Resume: Ryan-Mooney.com   Github: github.com/Ryan-Mooney

EDUCATION

University of Pittsburgh, Pittsburgh PA   Graduation: Spring 2014
Swanson's School of Engineering
- GPA: 3.5, Graduated Cum Laude
- Major: Bio Engineering; Concentration: Medical Device Engineering; Minor: Chemistry, Mechanical Engineering

CERTIFICATIONS

- IBM Datascience Professional
- MongoDB for Python Developers
- Databases and SQL for Data Science
- Complete C# Unity Development
- Essential Web Developer Course in Ruby on Rails
- Fundamentals of Networking (TRIMEDX)

LANGUAGES, LIBRARIES AND TOOL PROFICIENCIES

- Languages-Proficient: Python (Django), C#, SQL, Matlab, Javascript, HTML, CSS
- Languages-Familiar: Ruby(Rails), C++, .NET
- Databases: SQL, PostgreSQL, MongoDB, SQLite
- Tools: Git, AWS, SolidWorks, Mailgun, tkinter, XLWT
- Adobe CS5 (Premier, After Effects, Photoshop)

PROJECTS

MobileView Assistant   Languages/Libraries: Python, SQL, Selenium, Tkinter
- Standalone python app utilizing the selenium web scraper and my hospitals Aeroscout RTL devices to find, organize, and display the locations of all assets (notably IV pumps). It cross-checks the active work orders to better help the technicians, by saving countless man hours searching manually, as well as administrators, by saving money otherwise used for renting additional assets. It utilizes an SQL database in order to organize and later analyze the data which was then used to determine which departments utilized IV pumps the most.

Lunar Lovelies   Languages/Utilities: Django, Python, AWS, SQL, HTML, Javascript, CSS
- E-Commerce web app built with Django/Python aimed to sell stylish, homemade clothing for both humans and dogs alike. It utilizes an SQL database in order to store and organize the inventory so it can be quickly displayed, filtered, and searched. Dynamic web pages and ecommerce plugins allow seamless viewing of the site on both PC and mobile. An intuitive admin side was integrated to allow easy additions of new products.

Zoo Facts   Languages/Utilities: Django, Python, AWS, Mailgun, HTML, CSS
- Simple web app used to send emails with pictures and facts of random zoo creatures. Utilizing basic structure and simple SMTP commands, it was a fun way to explore MVC, mailgun, and the many images on Wiki Commons.

RELEVANT WORK EXPERIENCE

Mercy Medical Center, Cedar Rapids, IA   February 2018-Present
Clinical Engineering Technician II
- Developed time saving python scripts to decrease time spent on the many aspects of asset management and collection
- Lead the biomedical side of the networking security team to ensure full security measures were being taken to maintain patient data security and to ensure Joint Commission HIPAA standards were met
- Worked with my team to ensure timely preventative maintenance was done on all devices in the Mercy network
- Stayed up to date on equipment maintenance standards and educated teammates following new equipment training
- Specialized in OR equipment, anesthesia machines, dialysis machines, and biomedical device security

UPMC Montefiore, Pittsburgh, PA   May 2012-May 2013
Nursing Assistant
- Assisted with the care of patients on the floor by obtaining vitals, bathing them, feeding them meals, meeting with the nurses to discuss care strategies, and tending to patient's emotional needs by conversing and staying with them as needed

OTHER ACHIEVEMENTS AND EXPERIENCES

- Attended Des Moines University School of Osteopathic Medicine where I intensely studied medicine for 3 years before deciding to leave to pursue my passion in tech
- Developed and tested a medical device used to measure jugular venous distention as part of my Capstone engineering project, including unit testing the pulse detecting software and optimizing the design utilizing Solidworks. Design went on to win best in show at the Senior Engineering Conference
- Eagle Scout rank achieved in 2009