Tyler Sapp

Richmond, VA
(804) 497-6423
sapp.tyler.c@gmail.com

https://www.tylersapp.info/

CURRICULUM VITAE

EDUCATION

Virginia Commonwealth University, Richmond, VA
Bachelor of Science in Bioinformatics: Computational Sciences (Minor: Computer Science) | May 2025

Relevant Course Work

- Algorithm Analysis with Advanced Data Structures – CMSC401
- Intro Statistical Computations for Data Science – STAT321
- Genetics – BIOL310
- Evolution – BIOL318
- Intro to Discrete Structures – CMSC302
- Data Structures and Object Oriented Programming – CMSC256
- Introduction to Programming – CMSC255
- Cellular and Molecular Biology – BIOL300
- Introduction to Bioinformatics – BNFO301
- Computing Skills and Concepts – BNFO201
- Phage Discovery II – BNFO252
- SQL Databases – CMSC408
- Software Development – CMSC355
- Bioinformatics Capstone – BNFO420

PROFESSIONAL EXPERIENCE

VCU Health Systems, Richmond, VA
Senior Certified Pharmacy Technician III | April 2015 – Present

- Led inpatient pharmacy operations and training across diverse roles.
- Developed and optimized workflows for EPIC, Cerner, and Pyxis systems.
- Specialized in sterile compounding and preparation of hazardous medications.
- Maintained stringent compliance with USP <797> and <800> standards.

Walgreens Pharmacy, Richmond, VA
Certified Pharmacy Technician | February 2013 – April 2015

- Managed inventory and streamlined workflow processes.
- Delivered exceptional customer service and resolved third-party insurance claims.

Keener Communications, Richmond, VA
Lead Call Center Operator | March 2010 – January 2013

- Provided comprehensive support services and training to healthcare organizations.
- Improved customer experience and operational protocols.

PROJECTS & ACCOMPLISHMENTS

Bioinformatics Capstone Project – 2025
Title: The Change in Performance Metrics of American Football Players Based on Positional Demands Due to COVID-19
GitHub Repository
- Conducted extensive data analysis using linear mixed models (LMM) and principal component analysis (PCA).
- Analyzed the impact of COVID-19 on athletic performance metrics across NFL player positions.
- Determined minimal significant differences in performance post-COVID, highlighting individual factors over positional demands.

Retro Game Database – 2025
GitHub Repository
- Developed a Docker-containerized web application using PHP, MySQL, HTML, CSS, and SQL.
- Implemented functionalities for archiving, organizing, and querying retro video game data.
- Designed user interfaces enabling data manipulation and detailed reporting.

Medication Adherence Web Application – 2025
GitHub Repository
- Built a responsive web app facilitating medication tracking and provider-patient communication.
- Utilized HTML, CSS, JavaScript, Firebase Authentication, and Firestore database.
- Developed features including patient/provider dashboards, adherence tracking, feedback systems, and localStorage demonstrations.

Personal Resume Website – 2025
My Website
- Built a website used as a one-stop HUB for potential employers seeking information on me and my experiences.
- Utilized Docker, PHP, CSS, HTML, Container Applications, and other various libraries.
- Has my resume available for download, list of Skills and Projects, links to my LinkedIn and GitHub and a section to message me.

Inpatient Pharmacy IV Room Relocation Project – 2024
- Directed the redesign and workflow optimization for the relocation of the pharmacy IV room.
- Implemented efficient sterile compounding processes and protocols.
- Led extensive staff training on advanced compounding techniques, ensuring compliance with safety and regulatory standards.

Inpatient Medication Return Operations – 2016
- Designed and executed significant enhancements to the medication return system.
- Improved workflow, reducing medication return processing time by 25%.
- Provided staff training, documentation, and implementation support.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, R, SQL, JavaScript, PHP, HTML, CSS
- **Tools & Technologies:** Docker, Firebase, GitHub, Azure DevOps, EPIC Hyperspace, Cerner, Pyxis
- **Frameworks & Libraries:** ASP.NET, Web API, JSON
- **Data Analysis:** Linear Mixed Models, Principal Component Analysis, Data Visualization
- **Software:** Visual Studio Code, Adobe Illustrator, Microsoft Office Suite (Word, Excel, Access)

CERTIFICATIONS & TRAINING

- Certified Pharmacy Technician (CPhT) – PTCB
- USP <797>/<800> Compliance & Aseptic Technique
- HIPAA & Human Subjects Research Training
- Advanced Sterile Compounding & PPE Garbing
- OSHA Environmental Health & Safety (In Progress)