Derek Wallace

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EDUCATION

Arizona State University   Tempe, AZ
Bachelor of Science, Computer Science   *Aug 2014 – May 2018*
GPA: 3.96, Graduated Summa Cum Laude

Tech Talent South   Tempe, AZ
Data Science Bootcamp   *Jul 2022 – Sept 2022*

TECHNICAL SKILLS

Languages: Python, Java, C/C++, Ruby, SQL, HTML, CSS, JavaScript
Tools & Platforms: Git, Linux, Docker, JupyterLab, CI/CD (GitLab), Azure, Okta

EXPERIENCE

Business Logic Developer   Phoenix, AZ
American Express   *Oct 2022 – Present*
- Authored logic for fraud-related business rules in Java in order to provide a secure cardmember experience
- Verified and maintained integrity of data used in business rules through SQL queries to big data platform and ensuring business rules adhere to the proper data types and formats

Neuroscience Data Developer   Tempe, AZ
Arizona State University   *Apr 2022 – Oct 2022*
- Created notebook to read olfactory bulb imaging data and determine a ranking of the most ventral-stimulating chemical odorants using Pandas to transform data and Matplotlib for visualization
- Aggregated behavioral olfactory data with Pandas and calculated chemical features in order to model perceptual similarity of odorant molecules using Scikit-Learn

Software Engineer   Phoenix, AZ
Nikola Motor Company   *Aug 2019 – Nov 2021*
- Developed microservices for a vehicle entertainment system with Crystal, a compiled language with syntax inspired by Ruby, and linked to various C libraries for additional functionality
- Managed driver preferences and system settings using SQLite databases, syncing with cloud telematics system
- Supported teammates in administering MariaDB databases locally for web development
- Utilized Yocto Project to create a custom Linux distribution for vehicle hardware, wrote Python build scripts for required packages, and orchestrated boot process using systemd service units

Identity Systems Engineer   Scottsdale, AZ
McKesson   *Jun 2018 – Aug 2019*
- Implemented identity federation for various business applications using SAML-integration software
- Created Java Spring Boot application to migrate identity data from CSV files to the SaaS identity platform Okta and deployed this application to an Azure managed Kubernetes cluster
- Enabled single sign-on for multiple business applications by configuring OAuth flows with Okta

Cyber Security Intern Scottsdale, AZ

McKesson *Jun 2017 – Jun 2018*

- Created a Python application to automate security event JIRA ticket creation for security analysts using security information and event management system REST APIs
- Wrote PowerShell scripts to connect to Azure Active Directory and create test identities for team