Phillip Hedden

Summary

Computer Science graduate with a strong technical foundation and excellent communication skills, adept at bridging the gap between technology and people. Skilled in problem-solving, simplifying complex concepts, and fostering collaboration. A quick learner who thrives in fast-paced environments, adapting easily to new technologies.

Experience

DACdb – Software Engineer

Charlotte, NC

01/2025 – Present

- Sole developer for three international, multi-platform mobile and web apps used by Rotary districts and clubs.
- Integrated Firebase Auth, Firestore, and Cloud Functions.
- Created backend automation for onboarding workflows, dynamic wallet passes, QR systems, and reminder emails.
- Designed scalable Firestore data models and optimized performance with query reduction/batching.
- Developed PDF/Excel processors, Google API integrations, and custom event/calendar features.

West Carolina – Managed Services Intern

Abbeville, SC

05/2024 – 08/2024

- Supported the Managed Services Department by performing server instancing, computer diagnostics, and proactive server monitoring to ensure system reliability.
- Assisted in firewall installations and network creation resulting in hands-on experience in managing and securing IT infrastructure.

DACdb – Software Engineer Intern

Charlotte, NC

05/2023 – 11/2023

- Led the successful implementation of translation software, enhancing the company's international communication and operational efficiency.
- Monitored system performance to provide strategic data- driven recommendations for continuous improvement.

Contact

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Education

Clemson University **08/2021 – 12/2024**
Clemson, SC **GPA: 3.52**
B.S. Computer Science

Lander University **01/2025 – 12/2025**
Greenwood, SC
MBA Business Analytics

Languages

- Python
- C
- C++
- SQL
- Java
- JavaScript
- HTML
- CSS
- JSON

Frameworks

- Flask
- AWS DynamoDB
- AWS Lambda
- AWS SES
- React
- Jupyter Notebook
- Scikit-learn
- React

Projects

Driver Rewards Web App

- Led the development of a web-based rewards application for the trucking industry, featuring login, navigation, points tracking, and redemption functionality using AWS.
- Tools Used: HTML, CSS, Python, Flask, AWS DynamoDB, AWS SES, JSON, Git.

Sepsis Prediction Model

- Built a program to predict sepsis 6 hours before recognition using physiological time-series data for over 40,000 patients.
- Engineered features and trained machine learning models, achieving improved prediction accuracy through cross-validation and evaluation.
- Tools Used: Python, NumPy, Pandas, Matplotlib, Scikit-learn, Jupyter Notebook, Git.