

Derrell Downey Jr.

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SKILLS

Programming Languages: Javascript, Python, Java, SQL, Apex, Swift

Technologies: Git, Github, Salesforce, mySQL, Node.js, Angular, React, Xcode, Microsoft Office, Wordpress

EDUCATION

Skidmore College, B.A. in Computer Science, 3.6 GPA, Expected Graduation: May 2025

Relevant Classes:

- Artificial Neural Networks, Computer Graphics, Data Informed Business Decisions, Software Design, Data Structures, Programming Languages, Algorithms, Computer Organization, Computer Networks, Mobile Computing

RELEVANT EXPERIENCE

Technical Consulting Intern | West Monroe | JUN '24 – PRESENT

- Took charge of administration, development, test, and data manipulation tasks for client solution using Salesforce, Apex, SOQL, Javascript, and Python.
- Implemented a Salesforce CPQ system for the largest privately owned commercial flooring company in the United States
- Developed an internal tool under a senior employee to accelerate CPQ implementation alongside client work reducing time of twin field creation by over 50%

Front End Development Intern | Your Fair Share | FEB '24 – MAY '24

- Designed and implemented the 'About Us' page using React.js, enhancing user experience and visual appeal for the company's website.
- Contributed to team discussions and participated in a job interview, providing insights and learning about team dynamics and the hiring process.
- Gained knowledge of circular economy and sustainability practices, applying these principles to web development projects and contributing to the company's eco-friendly mission.

Web Development Intern | EDTAC | JUL '23 – SEP '23

- Enhanced website functionality and presence, supporting the mission to promote evidence-based treatments and accountability in eating disorders.
- Developed new features, optimizing responsiveness and user experience using JavaScript, PHP, HTML, CSS, and WordPress.
- Adapted quickly to new technologies and frameworks to continuously improve the organization's online presence.

NOTABLE PROJECTS

Album Price Checker | Javascript, React

- Employed JavaScript to fetch data from multiple external APIs, including music database APIs, for retrieving album information and pricing details
- Devised a price tracking algorithm to monitor and notify users of price drops or discounts for their selected albums
- Utilized Firebase as a backend database for storing client's favorite albums

Facial Emotion Recognition | Python, Google Colab

- Developed and evaluated multiple CNN architectures, including Simple CNN, VGG16, ResNet101, MobileNetV2, and DenseNet169, to classify facial images into seven primary emotional states
- Employed data augmentation techniques, such as normalization and mirroring, to balance the dataset and reduce overfitting
- Analyzed and interpreted model performance using confusion matrices to achieve a highest testing accuracy of 63% with DenseNet169

School Admin Software | Java, SQL

- Developed software utilizing a mySQL database to store the information of students, teachers, and administration
- Programmed GUI and back-end using Java and mySQL
- Implemented a login window connecting to the database to verify user type