Daniel DeFlores

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Education

University of Delaware – Bachelor of Science in Computer Science   Expected May 2025
- GPA: 3.64/4.0
- Involvement: Association for Computing Machinery, CS+ Social Good
- Dean's List: All semesters

Projects

FoodFinder   github.com/ddeflores/Food-Finder
- Engineered a scalable, full stack mobile application for tracking foods and fitness goals
- Created a binary classifier machine learning (ML) model to classify images as food or nonfood
- Implemented the OpenAI computer vision API to further classify food images and estimate calories
- Prioritized user interface design and engineering principles to optimize user experience

Chirp   github.com/eorev/Chirp
- Developed a website focused on teaching sorting algorithms to computer science students
- Secured 2nd place out of over 150 participants in the 2023 HenHacks Hackathon, hosted by the University of Delaware
- Published a minimum viable product in under 24 hours, demonstrating ability to work effectively under pressure

Phishing Detection   github.com/ddeflores/phishing
- Created a convolutional neural network ML model to classify URLs as phishing or non-phishing
- Contributed to a research study comparing the effectiveness of CNNs against RNNs in URL classification
- Achieved 97% accuracy on training, validation, and testing datasets

StudyBuddy   github.com/ddeflores/StudyBuddy
- Architected a full stack native application for file storage and sharing among students
- Configured Firebase for secure authentication and a database for users to read from and write files to
- Structured a flat database to optimize performance when reading and sharing files

Chess Game   github.com/ddeflores/ChessGame
- Developed a chess game using object-oriented programming principles in Java
- Designed a responsive and interactive chess board GUI for users to move pieces on
- Integrated classic rules of chess to allow users to play against opponents

Experience

Waiter, Perks Cafe – Point Pleasant Beach, NJ   June 2020 – Present
- Delivered exceptional customer service in a fast-paced environment, while maintaining organization
- Taught new employees daily task requirements and interpersonal skills

Busser, Perks Cafe – Point Pleasant Beach, NJ   June 2017 – June 2020
- Provided hundreds of customers with assistance in a time-efficient and friendly manner
- Communicated effectively with all servers to aid them at peak business hours

Skills

Languages: TypeScript, Python, JavaScript, Python, Java, HTML, CSS
Technologies: Git, React, React Native, Expo, Firebase, TensorFlow, Keras