

EDUCATION

Ohio State University
Bachelor of Science in Computer Science

Columbus, OH
Aug. 2019 – April. 2024

EXPERIENCE

Software Engineer Intern

May. 2023 – Aug. 2023

Walmart Global Tech

Bentonville, AR

- Led a proof-of-concept project, critically evaluating and selecting the optimal solution to address the identified problem.
- Collaborated closely with Product Managers, UI/UX, and cross-platform teams to initiate and streamline the project's vision.
- Implemented the solution leveraging Apple's ActivityKit, ensuring it met specific design and functionality criteria.
- Designed a modular API to cater to diverse team requirements, enhancing adaptability and scalability.
- Actively participated in an Agile environment, leading daily standups, shaping sprint planning, and delving deep into the iOS codebase and design architecture to ensure seamless integration of the new feature.

PROJECTS

KeepReading | *Python, OpenCV, PyTesseract, Flask, PyMongo, NumPy, Git*

Aug. 2023 – Dec. 2023

- Implemented Optical Character Recognition (OCR) technology through the creation of "KeepReading," a user-friendly Windows application enabling employees to capture and analyze Data Bearing Device (DBD) labels via a camera, revolutionizing data destruction processes and enhancing operational efficiency by eliminating manual entry and barcode scanners.
- Showcased comprehensive software development skills using Python, OpenCV, Pytesseract, Flask, PyMongo, NumPy, and Git, demonstrating proficiency in diverse technologies. Implemented a dynamic training mechanism to continuously enhance the accuracy of the machine learning model, reflecting a commitment to ongoing improvement and staying at the forefront of advancements in the field.
- Successfully collaborated within a team of five members, providing detailed documentation, including a comprehensive user manual, outlining the architecture, software overview, key features, and troubleshooting procedures. This commitment to documentation ensures the accessibility and longevity of the developed solution.
- The entire project, along with its commits, is available on GitHub: <https://github.com/DevFarid/KeepReading>

Sentence Sentiment Analysis | *Python, Machine Learning, Naive Bayes*

Mar. - Apr. 2023

- Developed a sentiment analysis system using the Naive Bayes algorithm, categorizing tweets from Twitter Sentiment Analysis into Positive, Negative, or Neutral sentiments.
- Utilized a binary bag of words model for sentences, estimated class label and conditional probabilities for unique terms, and employed log probability for final sentiment classification.

Classantic | *Ruby on Rails, HTML, CSS, JavaScript*

Nov. – Dec. 2022

- Developed a comprehensive website utilizing Ruby on Rails, showcasing both frontend and backend proficiency.
- Secured 1st place for outstanding visual design, receiving accolades for the website's aesthetic appeal in a competitive class setting.
- Also achieved 1st place recognition for delivering top-tier user features, demonstrating an emphasis on user experience and functionality.

TECHNICAL SKILLS

Languages: Java, C/C++, Swift, MATLAB, HTML/CSS, Ruby, Assembly x86/64, SQL (SQLite), JavaScript

Theory/Concept: Unit testing, Test Driven Development, Algorithm Analysis, OOP, Multi-threaded programming, Polymorphism, NN, RNN, MLP, RBF

Developer Tools: Eclipse, SolidWorks, any IDE, Maven/Gradle, Git/GitHub, XCode, Jira, Jenkins, Splunk, Confluence

Libraries: NumPy, Matplotlib, GCC

University Courses: Software I & II, Web Dev., Sys. I & II, Intro to DB, Prog. Lang. & Compilers, Intro to AI, Intro to Neural Net., ML & Statistical Pattern Recognition