

# Faraj Siddique

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## EDUCATION

**Bachelor of Science in Computer Science, Minor in Mathematics**, May 2024

Pennsylvania State University, College of Engineering, University Park, PA

GPA: 3.2/4.0

Relevant coursework: Data Structures and Algorithms, Programming Language Fundamentals, Discrete Mathematics, Systems Programming, Database Management Systems

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript (ES5 and ES6), HTML5, CSS, C, SQL, Verilog

**Tools and Frameworks:** Git, Github, Node.js, React, VSCode, PyCharm, Netbeans, Postman, Flask, MySQL, SQLite

## WORK EXPERIENCE

**Software Engineer Intern**, December 2022 – May 2023

*Nittany AI Alliance – Goodwill Inventory Automation*, State College, PA

- Worked with a team of students to develop an AI powered application to automate sneaker inventory for Goodwill
- Conducted industry research on driver categories of shoe/sneaker prices
- Developed a UI and Backend for a fullstack web application using JavaScript, React and Microsoft Azure

**Pharmacy Technician**, June 2019 – August 2022

*Willen Pharmacy*, Bronx, NY

- Assisted Pharmacist in filing 100+ prescriptions each day by locating and dispensing orders precisely and efficiently
- Monitored medicine, retail inventory levels and outdated products
- Answered high volume of phone calls from customers and physicians
- Increased number of processed prescriptions by 30% yearly

## PROGRAMMING PROJECTS

**LionAuction (Python, SQLite, HTML, CSS, Flask)**, Spring 2023

*Capstone Class Project (CMPSC 431W)*, Pennsylvania State University, University Park, PA

- Developed and implemented LionAuction, an auction/bidding site using **Flask** framework
- Implemented user authentication and session management to ensure secure access to the site
- Created a SQLite database to store user information, auction listings, bids, and other relevant data
- Implemented different user roles (Bidder, Seller, and HelpdeskIT staff) with role-specific functionalities

**Restaurant Landing Page (Javascript, HTML, CSS, React.js)**, Fall 2022

- Created a fully responsive restaurant landing page using **React.js**.
- Utilized modern UX/UI design, CSS Flex and Grid design properties and React functional components

**Cryptocurrency Tracker Application (JavaScript, HTML, CSS, React.js)**, Summer 2022

- Created a website-based application using **React.js** for users to search for data regarding popular cryptocurrency
- Utilized an API to retrieve current cryptocurrency coin data including current market price, volume and market cap

**Pet Adoption Website (Javascript, HTML, CSS, React.js)**, Summer 2022

- Created a mock website-based application using **React.js** for users to find desirable pets available for adoption
- Utilized an API to retrieve relevant pet information and direct users to pets in their local area

**Data Management System (C Programming)**, Spring 2022

*Class Project (CMPSC 311)*, Pennsylvania State University, University Park, PA

- Developed a storage system for reading and writing data blocks across multiple disks
- Implemented a write-through caching policy resulting in increased performance over extensive use
- Adapted code to support data exchange between server and client over a network

## EXTRACURRICULAR COURSEWORK

**Software Engineering Virtual Experience Participant**, June 2022

*JP Morgan Chase & Co.*

- Interfaced with a stock price data feed to process stock data with **Python** to enable when trading for the stock should occur
- Utilized JPMorgan Chase frameworks and tools including **Perspective, React and TypeScript** to present and manipulate stock data feed through a web application
- Generated a live graph to display data feed in a clear and visually appealing way