

# Uday Warier

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## Work Experience

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### Fiserv, Inc.

Software Development Intern

Summer 2019

Worked with Apache Spark and Kafka to create a realtime big data streaming application that processes data for 50 million debit card transactions per day. Developed an optimization that improved efficiency of the current application in production by 75%.

### DCR Workforce

Software Development Intern

Summer 2018

Used blockchain technology within the IBM Hyperledger Composer Framework to make the process of conducting background checks on employees more efficient. Created SmartChecker, an application built into DCR's current hiring framework to automatically vet potential candidates before moving them on to the next stage of the hiring process.

## Education

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### University of Maryland, College Park

B.S, Computer Science and Mathematics, GPA: 3.74/4.00

Class of 2021

#### Honors and Awards.....

QUEST Honors Program, GSS Lead Mentor, Computer Science Departmental Honors, Dean's List

#### Courses.....

**Computer Science:** Object-Oriented Programming, Algorithms, Advanced Data Structures, Discrete Mathematics, Database Design, Computer Vision, Data Science

**Mathematics:** Linear Algebra, Multivariable Calculus, Applied Probability and Statistics, Numerical Analysis

## Projects

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### Tweet Generator

A Twitter bot that analyzes tweet histories of a set of users and uses a Markov-based natural language processing model to generate new tweets from these users. Uses a Node.js wrapper for the Twitter API and Javascript for the implementation of the Markov model.

### Virtual Card

Virtual Card is a peer-to-peer payment service that uses tokenization to conduct transactions that are pre-authorized for a specific time frame. Developed a full-stack web application as a proof of concept using React for the frontend, Express and Node for the backend, and MongoDB for persistent storage. Deployed the application to AWS.

### Fantasy Football Drafter

An application that analyzes past fantasy football data to build a winning team for the upcoming season. Uses Python to scrape data from various different sports statistics websites, and to perform data analytics on the fantasy stats, as well as MATLAB for data visualization.

## Skills

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#### Programming Languages.....

Experienced in: Java, Javascript, Python, SQL, MATLAB. Familiar with: C, Ruby, OCaml, HTML.

#### Other.....

Git, Apache Spark/Kafka, Jupyter Notebook, Agile/Scrum, AWS, Linux, Postgres