Vivek Vaidya

CONTACT

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SKILLS

Languages
Python, JavaScript
C++, Java, Swift
HTML/CSS, XML, SQL

Tools, Frameworks
Node.js + Express
React.js, React Native
Flask, Numpy, Matplotlib
Kafka, Spark, Hadoop
Tensorflow + Keras
Git, SVN

COURSEWORK

Enrolled
Art of Web Programming
Computer Architecture

Completed
Data Structures & Algorithms
Applied Cloud Computing
Discrete Structures
Software Design Studio
Freshman Honors in CS
Introduction to Computer Science
Programming for iOS (online)

INVOLVEMENT

ACM@UIUC
Corporate Chair
Reflections|Projections Staff

Other
CS@Illinois SAIL
Women in Computer Science
CS196@Illinois
Cocoanuts: iOS Developers
mental-health

EDUCATION

University of Illinois at Urbana-Champaign   Winter 2019
B.S., Computer Science + Linguistics

EXPERIENCE

Capital One   May 2017 – Present
Data Engineering Intern
- Designed and implemented a 4-way data pipeline to handle streams of sensitive DNS data
- Replaced legacy monitoring infrastructure with a real-time, searchable and highly scalable datastore
- Used Apache Kafka, Spark, Accumulo and Flask

CS196@Illinois   January 2017 – Present
Executive Course Assistant
- Member of Executive Committee and Project Manager Lead
- Manage PMs and their projects
- Mentor students, work with them on semester-long project

PROJECTS

MTD Notify
Simple Flask-powered web app that uses the CUMTD API to alert users of system-wide reroutes and service disruptions.

AlgoTrade
Algorithmic trading platform that uses mean reversion and linear regression to make buy/sell/hold decisions. Worked on implementing the trading strategy. Built in Python.

Comparify
Web-based tool that performs sentiment analysis on product reviews and calculates a rating on a scale of 1-5 that more accurately represents what people feel about said product.

staysafestayclean
Android app that uses publicly available health data and geolocation to alert users of proximity to disease. Also works with other triggers that the user may be susceptible to.

RESEARCH

Codiamat, Zachary and Vaidya, Vivek K. (2017)
"Data-Driven Approach to Picking A Classification Algorithm."
Written in collaboration with the Illinois Data Science Initiative and National Center for Supercomputing Applications.