Vivek Vaidya

CONTACT

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SKILLS

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

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

COURSEWORK

Art of Web Programming
Computer Architecture
Data Structures & Algorithms
Applied Cloud Computing
Discrete Structures
Software Design Studio
Freshman Honors in CS
Introduction to Computer Science
Programming for iOS 9 (online)

INVOLVEMENT

ACM@UIUC
Member of Corporate Staff
Reflections|Projections Staff

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

EDUCATION

University of Illinois at Urbana-Champaign May 2020
BS, 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 archaic monitoring infrastructure with a real-time, highly scalable and searchable datastore
- Used Apache Kafka, Spark, Accumulo, and Flask

CS196@Illinois January 2017 – Present
Executive Course Assistant

- Member of Executive Committee and PM Lead
- Manage PMs and their projects
- Mentor freshmen, 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.

Comparify
Web-based tool that uses data mining & basic NLP to pull product reviews and generate a calculated rating for products based on those reviews.

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

PAPERS

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