

Vivek Vaidya

CONTACT

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SKILLS

Languages

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

Tools, Frameworks

React.js, Node.js, Express
React Native, Ionic
Flask, Numpy, Matplotlib
Kafka, Spark, Hadoop
Tensorflow, Keras, Theano
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 9 (online)

INVOLVEMENT

ACM@UIUC

Member of Corporate Staff
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
B.S., Computer Science + Linguistics

Winter 2019

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.

AlgoTrade

Algorithmic trading platform that uses mean reversion and linear regression to make money. Worked on implementing the trading strategy. Built in Python; freshman honors project for CS 196.

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.

PAPERS

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.