

# 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

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

CS@Illinois SAIL  
Women in Computer Science  
CS196@Illinois  
mental-health

## EDUCATION

**University of Illinois at Urbana-Champaign**  
BS, Computer Science + Linguistics

May 2020

## 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.