Sameet Sapra

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Education

**Fall 2015 -
Spring 2019**

University of Illinois at Urbana Champaign, *GPA: 3.95/4.0.*
- M.C.S in Computer Science, B.S in Computer Science, Minor in Mathematical Statistics
- Coursework: Algorithms and Graph Theory, Distributed Systems, Computer Security, Networking, Systems Programming, Data Structures, Computer Architecture, Artificial Intelligence, Databases
- Honors: James Scholar, Dean's List

Programming Languages

High Level	Python, Java, Ruby, C++	System	C, Bash, MIPS Assembly
Web	SQL, Rails, React.js, Django, Angular.js	Math	numpy, LaTeX
Hardware	Arduino, Raspberry Pi	Tools	Git, ViM, AWS, Tensorflow

Experience

Summer 2018

Software Engineer Intern, **Facebook**, Menlo Park, CA.

Haskell, C++, Python
- Support feature aggregation to enable a 10-fold increase in reach across data warehouse
- Develop scanner to efficiently sample Cassandra tiers record features on column families
- Record feature counts to identify and label user data on a data discovery platform

Summer 2017

Software Engineer Intern, **Cask Data**, Palo Alto, CA.

Java, Maven
- Test and help release version 4.2 of CDAP, a data application platform for building big data applications on top of a local, distributed, or cloud sandbox environment
- Add the ability to schedule data pipelines based on the status of other pipelines on CDAP
- Implement transactional recording of all program states on the platform using Apache Twill

**Fall 2015 -
Winter 2016**

Full Stack Web Developer, **Cognitive Computation Group**, Champaign, IL.

Angular.js, PHP
- Refactor the research tools and demos on the website in PHP and Angular.js
- Improve the performance and reliability of the content management system for website administrators

Summer 2016

Software Engineer Intern, **NextCapital**, Chicago, IL.

Ruby on Rails, Java, React.js
- Directed front end team to migrate to React and Redux and incorporate a component-based architecture
- Interfaced with SQS and Lambda services on AWS to enroll new users onto the platform
- Refactored financial institution data import stack in Ruby to securely store confidential user information

Summer 2015

Frontend Engineer Intern, **SimpleRelevance**, Chicago, IL.

Django, React.js, Backbone.js
- Overhauled the website dashboard with React.js and Flux architecture
- Constructed adjustable graphs and daily reports to export metrics data as a pdf or csv

Projects and Activities

**Feb. 2016 -
May 2017**

Co-Chair for Information Retrieval in Association for Computing Machinery.
- Taught students how to parse, store, and visualize big data using Python and d3.js
- Managed projects such as analyzing presidential election outcomes with respect to different global issues

**Sept. 2016 -
Mar. 2017**

Lead Project Groot Website Developer.
- Develop web application to manage access to student resumes and replace UIUC's core student infrastructure
- Use a service-oriented architecture to encourage independent and reusable components

Jan. 2016

Search Engine for Recipes.
- Developed a web application to recursively crawl recipe websites and query results with Elasticsearch
- Served as a project manager and full stack web developer on the team