

# Sameet Sapra

🌐 <http://sameetsapra.com>

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## Education

- Expected 2019 **University of Illinois at Urbana Champaign, GPA: 3.97/4.0.**
- Bachelor of Science in Computer Science, Minor in Mathematical Statistics
  - Coursework: Algorithms and Graph Theory, Systems Programming, Data Structures, Computer Architecture, Virtual Reality, Programming Languages and Compilers, Artificial Intelligence, Databases
  - Honors: James Scholar, Dean's List

## Programming Languages

High Level	Python, Java, Ruby, C++	System	C, MIPS Assembly, Verilog, Bash, Zsh
Web	Rails, React.js, Django, SQL, Angular.js	Math	Mathematica, numpy, LaTeX
Hardware	Arduino, Raspberry Pi, Linux Servers	Tools	Git, Atom, AWS

## Experience

- Fall 2015 - **Full Stack Web Developer, Cognitive Computation Group, Champaign, IL.**  
December 2016 *Angular.js, PHP ~5,000 lines*
- 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, Rails, Java, AWS, React.js ~20,000 lines*
- Directed front end team to migrate to React and Redux and incorporate a component-based architecture
  - Interfaced with 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
  - Built internal dashboard with PivotalTracker's API to track progress for major milestones
- Fall 2015 - **Undergraduate Research Assistant, Department of Computer Science, Champaign, IL.**  
Spring 2016 *C++, Networking ~1,000 lines*
- Documented sample packet fields and values for network protocols
  - Implemented network protocols in C++
- Summer 2015 **Front End Engineer Intern, SimpleRelevance, Chicago, IL.**  
*Python, Django, React.js, Backbone.js ~100,000 lines*
- Overhauled the website dashboard with React.js and Flux architecture
  - Constructed adjustable graphs and daily reports to export data as a pdf or csv
  - Optimized website for all mobile devices and browsers, improving page load speed by 25%

## Projects and Activities

- February 2016 - Present **Co-Chair for Information Retrieval in Association for Computing Machinery.**
- Teach students how to retrieve, parse, store, and visualize big data using Python and d3.js
  - Manage projects such as analyzing presidential election outcomes with respect to different global issues
- September 2016 - January 2017 **Lead Project Groot Website Developer.**
- Developed web application to replace core ACM infrastructure as part of ACM's corporate committee.
  - Implemented service-oriented architecture to encourage independent, reusable components
- February 2016 **UIUC HackIllinois - Open Source Division.**
- Built a backend Java application to assess a user's credibility and store user registration information to help in allocating computing resources for Apache Airavata
  - Recognized as a top 3 open source project
- January 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