

Sameet Sapra

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Education

- Expected 2018 **University of Illinois at Urbana Champaign, GPA: 4.0/4.0.**
- Bachelor of Science in Computer Science, Minor in Mathematical Statistics
 - Coursework: Data Structures, Algorithms and Graph Theory, Computer Architecture, Artificial Intelligence, Databases
 - Honors: James Scholar, Dean's List

Programming Languages

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

Experience

- Fall 2015 - Present **Full Stack Web Developer, Cognitive Computation Group, Champaign, IL.**
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 - Spring 2016 **Research Assistant, Department of Computer Science, Champaign, IL.**
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%
 - Created an admin panel for administrators to dynamically update static content

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
- 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
- July 2014 - August 2014 **2048 AI Solver.**
- Built a 2048 AI solver in Java using a mini-max algorithm with alpha-beta pruning
 - Presented to Stanford University faculty and students