SHARAN ARKALGUD

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EDUCATION

University of Illinois at Urbana-Champaign   **Expected May 2019**
- B.S. Computer Science, Minor in Technology & Management, James Scholar
- GPA: 3.55/4.00

EXPERIENCE

Software Engineering Intern   **May 2018-Aug 2018**
Facebook   *Menlo Park, CA*
- Built and tested feature on mobile website to aid company initiative of increasing posting to Facebook Stories.
- Created posting functionality to enable 2.27 million mobile website users to post more types of content to Facebook Stories.
- Utilized Hack, PHP, HTML, CSS, and Javascript.

Software Engineering Intern   **May 2017-Aug 2017**
Garmin International   *Kansas City, KS*
- Designed and built REST APIs that provided backend support, such as GDPR compliance, to Garmin products.
- Optimized and tuned memory usage and database interactions for device error reporting system.
- Utilized Spring, Maven, JAVA, HTML, JavaScript, JQuery, SQL and CSS to build systems and APIs.

Co-founder of AVA Technology   **Nov 2016**
- Founded company that creates solutions to everyday problems faced by college students.
- Developed web application for Cheqlo: a multi-platform application that streamlines event management.
- Utilized HTML, CSS, Java Script, and Firebase to build website.

Research Programmer   **Oct 2016**
Cognitive Computation Group   *Champaign, IL*
- Collaborated with PhD student to develop pipeline for a name entity recognition annotator.
- Developed methods to improve efficiency of annotator as well as evaluate its accuracy.
- Utilized Maven and Java while working on annotator.

WSDM Cup 2017   **Sep 2016-Dec 2016**
- Created a data mining pipeline to detect vandalism in Wikidata revisions using 22 GB of training data
- Implemented a random forest classification algorithm to train on data.
- Utilized Scikit and Python to build pipeline.

LEADERSHIP

President of Association for Data Science and Analytics   **May 2018**
- Lead club of 50 students that sets up weekly events to teach students about tools related to data science and analytics.
- Responsible for expanding membership, leading data analytics projects, and finding corporate sponsors.

President of Hoeft Technology and Management Student Board   **May 2018**
- Lead program of 120 student focused building both business and engineering skills around new product innovation.
- Responsible for organizing workshops, and social events to strengthen the network between students admitted to minor.

HONORS AND ACHIEVEMENTS

Midwestern winner of West Monroe Partners Tech Case Competition   **Mar 2018**
- Built web application to help restaurant take orders, manage inventory, and view amount of cash present in business.
- Competed against 4 teams and presented application to heads of the technology practice within the company.
- Implemented using HTML Bootstrap, Flask, and Python.

Midwestern winner of West Monroe Partners Tech Case Competition   **Mar 2017**
- Built and presented web application to help company efficiently staff multiple internal projects.
- Developed tools to search employee database based on metrics such as skills, availability, and past projects.
- Implemented using HTML, Bootstrap, and Caspio database software.

3rd place in Ab InBev Bud Labs Hack the World Hackathon   **Sep 2016**
- Built interactive platform to educate small farmers about agricultural technology.
- Created text alert system for soil sensors and interface to display live sensor readings on website.
- Implemented Twilio API, and Flask web framework in Python to build platform.

Phi Gamma Nu Professional Business Fraternity
- Offered membership for incoming class of 26 new members, out of 400 applicants.

Boy Scouts of America Eagle Scout
- Completed over 200 hours of community service to plan and lead others in service projects.

TECHNICAL SKILLS

Proficient: Python including NumPy, and, SciPy Packages, JAVA, C++, C, PHP, Javascript, git, and mercurial
Comfortable: HTML, CSS, MATLAB, SQL, Spring, Linux operating systems