VARSHA SUBRAHMANYAM

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EDUCATION

University of Illinois at Urbana-Champaign   [August 2016 – May 2019]

- Computer Science and Statistics, Bachelor of Science   *Junior*

University of Wisconsin-Madison   [August 2015 – May 2016]

- Computer Science

University of Cambridge   [Summer 2016]

- Pembroke-King's Programme: an 8-week academic program

RELEVANT COURSEWORK

- **UIUC:** Systems Programming, Computer Architecture, Data Structures (C++), Discrete Structures, Statistical Analysis
- **UW-Madison:** Intro to Data Structures (Java), Introducing Computer Science to K-12, Topics in Multivariable Calculus, and Linear Algebra, Intro to Programming, Topics in Multivariable Calculus and Differential Equations

WORK EXPERIENCE

- **Engineering Practicum Intern**, AdWords Express, Google   [May 2017 – August 2017]
    - Designed a server prototype for the current ad creation server which enables parallelism via a graph data structure, and implemented four nodes in the graph.
    - Broke down dependencies in the current code and created visualizations of the proposals.
- **Moderator**, Purple Comet! Math Meet, AwesomeMath   [April 2016]
    - Moderated an online international competition for middle and high school students.
- **Campaign Intern**, Stephanie Kifowit for State Representative of Illinois   [June 2014 – Nov 2014]
    - Involved calling/e-mailing potential voters and door-to-door canvassing.

SKILLS

- **Programming Languages:** Java (Proficient), C++ (Proficient), C (Proficient), Python (Basic), HTML/CSS (Basic)
- **Tools:** Eclipse, Sublime, Vim, Subversion, Git, Valgrind, AddressSanitizer

PROGRAMMING PROJECTS

- Created a Python implementation of a simple social network for a hypothetical gaming site. The implementation supports network update and querying.
- Created a console-based simulation of WhatsApp in Java. The simulation supports one-to-one messaging and broadcasts, and maintains contact lists.
- Created a Java implementation of a course registration system. The implementation parses text files with information about students and the classes they wish to take, and then assembles course rosters.

ACTIVITIES

- Women in Computer Science (UIUC and UW-Madison), *2015-2017*
    - Tech Team Co-Chair *(2017-2018)*
- HackIllinois Staff (UIUC), *2016-2017*