

VARSHA SUBRAHMANYAM

- (630) 809-2610 - varsha2@illinois.edu - LinkedIn: VarshaSubrahmanyam -

EDUCATION

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|---|--------------------------|
| University of Illinois at Urbana-Champaign | [August 2016 – May 2019] |
| <ul style="list-style-type: none"> Computer Science and Statistics, B.S. | <i>Junior</i> |
| University of Wisconsin-Madison | [August 2015 – May 2016] |
| <ul style="list-style-type: none"> Computer Science, B.S. (Transferred) | |
| University of Cambridge | [Summer 2016] |
| <ul style="list-style-type: none"> Pembroke-King's Programme: an 8-week academic program | |

WORK EXPERIENCE

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- Google**, AdWords Express, Engineering Practicum Intern [May 2017 – August 2017]
 - Designed a prototype which parallelizes the core server's data-generating pipeline by modeling it as a graph.
 - Implemented four data-generating tasks in the pipeline for testing and server implementation using this framework.
 - Improved efficiency/decreased total runtime of the pipeline.

PROGRAMMING PROJECTS

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- Music Features Visualization**
 - Created a categorical bubble chart visualization which reflects various musical features of a set of songs using Spotipy—a lightweight Python library for the Spotify Web API—and the Plotly API.
 - Simplified WhatsApp Simulation**
 - Created a console-based simulation of WhatsApp in Java. The simulation supports one-to-one messaging and broadcasts, and maintains contact lists.

LANGUAGES

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- C++, C, Java, Python, HTML/CSS, SQL

RELEVANT COURSEWORK

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- Current:** Intro to Algorithms & Models of Computation (CS 374), Data Mining (CS 412), Probability and Statistics I (STAT 400)
 - Completed:**
 - UIUC:** Systems Programming (CS 241), Computer Architecture (CS 233), Data Structures (CS225, C++), Discrete Structures (CS 173), Statistical Analysis (STAT 200);
 - UW-Madison:** Intro to Data Structures (CS 367, Java), Introducing Computer Science to K-12 (CS 402), Topics in Multivariable Calculus and Linear Algebra (MATH 375)

ACTIVITIES AND LEADERSHIP

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- Tech Team Co-Chair**, Women in Computer Science [May 2017-May 2018]
 - Currently designing and leading bimonthly tutorials/workshops.
 - Will mentor team members throughout the project development period in second semester with the goal of presenting completed projects at UIUC's Engineering Open House.
 - Code Ada Founder/Director**, Women in Computer Science [November 2017]
 - Organized an all-female hackathon open to the women of UIUC.