



# Meera Parat

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## Education

University of Illinois at Urbana-Champaign – B.S.E. in CS: Big Data + Machine Learning Concentrations, May 2017.

– Relevant courses: Data Mining | Algorithms | Social Visualization | Computer Architecture | Systems Programming | Database Systems | Artificial Intelligence | Numerical Methods | Differential Equations | Statistics | Molecular Genetics | Cells, Tissues & Development | Neurobiology; Current: The Art of Web Programming | Programming Studio | Methods of Applied Statistics

## Work and Extracurricular Experience

### SOFTWARE ENGINEERING INTERN, MICROSOFT

REDMOND, WA – SUMMER 2015

- Created a C# application that collects a subject's biometric signal data from a Microsoft Band and an Emotiv EEG that the subject is wearing while they solve puzzles.
- Will be using TLC machine learning platform to learn features for recognizing frustration in people from their biometric signals.

### UNDERGRAD RESEARCHER, KNOWENG

URBANA, IL – SPRING 2016

- Working with Dr. Partha Ray from the Carle Cancer Center to identify important regulators of different stages of breast cancer.
- Using published datasets and literature, clustering methods, and statistical analysis to verify results.
- Presented a poster with preliminary results and methods to NIH board members.

### EXPLORER INTERN (SOFTWARE ENGINEERING), MICROSOFT

REDMOND, WA – SUMMER 2015

- Developed an Android app companion for the Microsoft Azure Applications Insights portal allowing developers to immediately view important data analytics pertaining to their desired application(s).
- Conducted User Research to gain valuable insight on various workflows and interfaces of the application.
- Shipped a Minimal Viable Product six weeks in, and continued pushing updates for the remaining six weeks.

### ENGINEERING INTERN, LAYER

SAN FRANCISCO, CA – SUMMER 2014

- Built a Layer authentication module for app developers who are using Parse user management to easily authenticate users with the Layer messaging service.
- Organized a hackathon for over 20 interns to build on top of our early-access beta SDK, which in turn exposed us to target customers and provided valuable consumer feedback for our product and developer on-boarding.
- Provided competitor developer feedback, and built an iOS app using Layer's messaging SDK.

### DIRECTOR, TEDXUIUC

CHAMPAIGN, IL – APRIL 2014 - PRESENT

- Lead a team in sponsorship, marketing, design, and execution of an annual TEDx conference in order to stimulate TED's mission of "Ideas Worth Spreading" across the university.
- Invite and prepare speakers as they construct their TEDx Talks, coordinate and oversee all parts of the year-long preparation, as well as run the entire event the day of.

### VOLUNTEER, CHINMAYA ORGANIZATION FOR RURAL DEVELOPMENT;

HIMACHAL PRADESH, INDIA – SUMMER 2011

- Interacted with villagers and experienced village life in northern India.
- Worked with children and women regarding education, health, women empowerment, micro-entrepreneurship, and in rehabilitation programs.

## Skills

- C++, Java, C, Python, Objective-C, MIPS, MySQL, HTML, CSS, C#, Sketch App, and Autodesk Inventor
- Mechanism group leader, robot driver, and outreach coordinator for Gunn High School Robotics Team (FIRST Team #192) – August 2010 - June 2013; fluent in Hindi.