Niharika **Manda**

SOFTWARE DEVELOPER

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Education

University of Illinois at Urbana-Champaign   *Urbana, IL*

B.S. IN COMPUTER SCIENCE AND LINGUISTICS   *Class of 2020*

MINOR IN TECHNOLOGY ENTREPRENEURSHIP

- Coursework: Completed-Data Structures, Software Design, Discrete Structures, Database Systems, Enrolled - Computer Architecture, Artificial Intelligence, Applied Machine Learning, Virtual Reality, Corpus Linguistics
- Languages: Java, C++, C sharp, Python, HTML/CSS
- Tools/Skills: Android Studio, Unity, Git, SVN, MySQL, MongoDB, Neo4j, Firebase Database, Unix/Linux

Experience

National Center for Supercomputing Applications   *Urbana-Champaign, IL*

DATA VISUALIZATION INTERN (NCSA SPIN'18)   *Summer 2018*

- Data Visualization & Software Engineering Intern at Advanced Visualization Lab
- Parse Supercomputer simulation data and visualize it for public outreach with Prof. Donna J.Cox (Director, AVL)
- Used python to build a data pipeline for multimedia frameworks and Houdini for visualization

John Deere   *Research Park UIUC*

SOFTWARE ENGINEERING & UX DESIGN INTERN   *Jan 2018 - May 2018*

- Developed an android application to control an autonomous, agro-tech machine via ROS(Robotic Operating System). Used android studio, AWS, ROSJAVA, and python.
- Developed Voice User Interfaces for mobile applications. Created VUIs for automation with voice integration.
- Worked with AWS and Amazon Alexa to build interfaces for autonomous robots in the agriculture industry using python and java.

YouMatter Studios   *Urbana-Champaign, IL*

GAME DEVELOPER & GRAPHIC DESIGNER   *Summer 2017*

- Used C sharp and Unity to build 3-D & 2-D Platform video game based on diversity & empowerment.
- Programmed enemy functions, built 3 game levels, improved user interface, developed plot & story, design strategic vision.

Research

URAP 2018: Undergraduate Research Symposium Winner   *UIUC*

UNDERGRADUATE RESEARCH APPRENTICESHIP PROGRAM- DEPT. OF INFORMATICS   *Spring 2018*

- Worked with Twitter API (Tweepy) and Python libraries to develop a parsimonious language model.
- Used regression analysis to identify linguistic features that affect credibility perception of fake-news on social media.

Projects

Confess   *Personal + CS 126 Final Project*

ANDROID STUDIO & FIREBASE DATABASE   *Fall 2017*

- Q & A forum app for Anonymous Health/Social issues to create a community for those suffering from mental health disorders.
- Implements Firebase real-time database, user authentication, Camera API and real-time post interaction.

MuseShare   *Personal Project*

ANDROID STUDIO & FIREBASE DATABASE   *Spring 2018*

- Android app for real-time music sharing.
- Built using Android Media Recorder API, Spotify API, and Firebase Database. Provides users with an instantaneously populated list of self-recorded artists.

Involvement

2018	**Staff & Blogger**, Reflections|Projections (Largest Student-Run Tech conference in midwest)	*medium.com*
'16-'18	**Staff Writer, Content Creator**, Odyssey- Publish articles bi-weekly on opinions, social issues.	*odysseyonline.com*
'16-'18	**Mentor & Tech Team Member**, Women in Computer Science	*UIUC*
'16-'18	**Vice President, Public Relations**, Phi Sigma Rho National Engineering Society	*UIUC*
'16-'17	**Director of Technology**, Volunteer Illini Projects (Largest service organization on campus)	*UIUC*
'16-'18	**Social Chair & Singer**, Illini Awaaz (competitive collegiate A Capella team)	*Alto*