

# Nikita Badhwar

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## EDUCATION

### UNIVERSITY OF MICHIGAN

MASTER OF SCIENCE IN INFORMATION,  
HUMAN COMPUTER INTERACTION  
May 2022 | Ann Arbor, MI

BACHELOR OF SCIENCE IN COMPUTER SCIENCE  
MINOR IN APPLIED STATISTICS  
May 2020 | Ann Arbor, MI

## COURSEWORK

### GRADUATE

Design of Complex Websites  
Fundamentals of Human Behavior  
Contextual Inquiry and Consulting Foundations  
Needs Assessment and Usability Evaluation  
Graphic Design and Visual Communications  
Introduction to Interaction Design  
Online Communities  
Building Interactive Applications

### UNDERGRADUATE

Data Structures and Algorithms  
Computer Organization  
Database Management  
Information Retrieval and Web Search  
Human-Centered Software Development  
Web Systems  
Foundations of Computer Science

## SKILLS

### PROGRAMMING

Python • C/C++ • Java  
HTML • JavaScript • CSS  
R • SQL • MongoDB

### TOOLS/TECHNOLOGY

Git/Github • AWS • Linux

### UX

Affinity Diagrams • Personas/Scenarios  
Competitive Analysis • Usability Tests  
Surveys • Interviews • Journey Map

## EXPERIENCE

### DELTA DENTAL | BUSINESS RULE ENGINEER INTERN

Summers 2019 and 2020 | Okemos, MI

- Implemented Complex User Web Functionality using Angular in order to create a website for business users
- Developed back-end rest services in Java to support front-end services in Angular and Java Swing
- Worked in an agile development environment, created demonstrations to show off new features to business users, and enhanced existing applications by fixing any issues

### TEACHER STORE INC. | GENERAL EMPLOYEE

Summer 2018 | Lansing, MI

- Designed and created a Point of Sale software using Visual Basic
- Converted existing database to work with new software

### AJAY BADHWAR AND ASSOCIATES | ASSISTANT

Summer 2017 | Holt, MI

- Created and maintained a database of clients and their tax return status, refunds, and payments
- Coordinated with clients to communicate any tax related needs

## PROJECTS

### NEEDS ASSESSMENT AND USABILITY EVALUATION / CLIENT LIAISON Fall 2020

- Worked with a Public Library to conduct various usability tests on their website
- Communicated with client and various stakeholders in a semester long project in order to observe, survey, interview, run performance analysis, evaluate the design, conduct usability tests, and assess the current systems in use
- Worked with a team in order to develop reports for findings and recommendations based on each method we utilized

### TWITTER PARTY Spring 2019

- Utilized Natural Language Processing in order to scrape and preprocess several presidential debate transcripts to use in three classifiers: Sentiment Analysis, Naive Bayes, and Roocchio
- Gathered thousands of filtered tweets, organized by states, in order to run through each classifier and label by political party
- Determined the political affiliation for each state in order to see who won the Presidential Election in 2016

## EXTRACURRICULAR EXPERIENCE

### DANCE MARATHON | DANCE CAPTAIN

Winter 2017 - Spring 2020

- Gathered and lead a team to raise funds and awareness for pediatric rehabilitation at Mott's Children's Hospital

### CHI 2021 GAME COMPETITION Fall 2020

- Worked with a team of students to create a game design proposal to submit to the CHI 2021 Game Competition