

Nimesha Muthya

425 749 0845 | nimesham@umich.edu | nimeshamuthya.github.io

EDUCATION

University of Michigan, Ann Arbor

2013-May 2017

B.S.E in Computer Science

Minor in History

Related Coursework: Data Structures and Algorithms, Computer Architecture, Usability and Testing, Information Retrieval and Web Search, Intelligent Interactive Systems, Machine Learning*, Natural Language Processing*

*Fall 2016

Technical Skills: C++, Python, Java, JavaScript, Node.js, React, Amazon Web Service (AWS), HTML/CSS, Elasticsearch

EXPERIENCE

Software Engineering Intern, NORDSTROM

Summer 2016

Worked on the Price Service Team, a restful service built entirely on AWS that delivers most accurate price of items in real time to various supply chain channels, in which responsibilities and results included:

- Creating a monitoring system using Elasticsearch on the service backend to ensure price data integrity in AWS DynamoDB and monitor backend workflow on AWS Lambda
- Implemented a logging format to collect metrics on the service front-end to evaluate system health and performance
- Created dashboards in Kibana for business/engineers to analyze performance, service workflow and system health
- Minimized debugging time by over 50% and saved over \$10,000 on Splunk licensing by moving service analytics to Elasticsearch

Front End Developer, LivWel

Fall 2015

LivWel is an Ann Arbor based startup that aims to provide health care solutions to HIV/AIDS impacted patients

Created a Pinterest like interface for LivWel's web application using React allowing users to add tags, favorite and like health care solutions

Software Engineering Intern, NORDSTROM

Summer 2015

Worked on the Business Intelligence Team to increase efficiency through:

- Automation of code migration to all environments in Microstrategy through a web interface
- Automation of image upload (logos, product images, etc) to all environments, including production, dev, test, to their respective dashboards through an easy to use web interface
- Saved 10+ hours of work per week through automation efforts

Analyzed price matching impact on sales using D3.js and Microstrategy to create an interactive dashboard to provide greater business insight into how price matching drives sales

Software Engineering Intern, Spectrum Controls

Summer 2014

Spectrum Controls is a provider of hardware and related software products for the industrial controls marketplace

Utilized Achilles Test Software to test WebPort, a remote access gateway that allows interaction with automation systems against security attacks

- Found major bugs to be further tested and fixed to prevent security attacks

PROJECTS

MoodBox

Project Description: Web application that conducts sentiment analysis on user's speech transcript to determine user's mood and generates a customized playlist based on user's music preference using Spotify API

NYC Watch

Project Description: Web application visually represent 311 service calls in New York City from 2010-2014 using a heatmap. Created by 6 students for the Code for Good Challenge hosted by JP Morgan Chase for the non-profit organization, Center for New York City Neighborhoods

EXTRACURRICULAR

Kappa Theta Pi Member

2014-present

World's first co-ed professional technology fraternity

Led a team of developers and designers as part of the consulting initiative management team to deliver on web applications and websites for various student organizations