

Nilay Muchhala

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OBJECTIVE

To obtain a summer internship in software development starting May 2017

EDUCATION

B.S.E in Computer Science Engineering, University of Michigan, Ann Arbor, MI

April 2018

Honors: Dean's List (Fall 2014, Winter 2015, Fall 2015, Winter 2016)

GPA: 3.81/4.00

RELEVANT COURSEWORK

EECS 281: Data Structures and Algorithms

EECS 482: Operating Systems (planned)

EECS 388: Computer Security

MATH 214: Linear Algebra

WORK EXPERIENCE

Software Engineering Intern

May 2016 – August 2016

Amazon, Inc

- Designed and implemented a backend API and corresponding frontend webpage to display relevant port utilization statistics of server rack hardware in data centers worldwide
- Automated generation of a port surplus/deficit report for server hardware worldwide which will continue to save the cable infrastructure team 6 weeks of cabling time

RELATED EXPERIENCE

School of Music - Maestro Project

January 2016 – December 2016

- Developed gesture recognition algorithm for conducting gestures using Microsoft Kinect
- Developed automatic test bench which simulates real time input from pre-recorded datasets and runs regressions tests on the algorithm

OneHack Application

May 2015 – May 2016

- Designed and implemented card view layout for the announcements in the MHacks Android app

Java Game Framework

June 2014

- Designed a game framework in Java and used it to teach a computer science class game design

ACTIVITIES

Eta Kappa Nu Honors Society

September 2015 – present

MHacks Core Team

May 2015 – May 2016

Michigan Marching Band

September 2014 -December 2014

SKILLS

Proficient with C++, Java, Python, Scala, Ruby on Rails, SQL, HTML/CSS, and JavaScript

Experienced with version control using Git/Github

Proficient with Mac, Linux, and Windows operating systems

Conversant in Spanish and Gujarati

LINKS

<https://github.com/nilaym>