

Darshil Patel

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OBJECTIVE: *Looking for an Computer Engineering Internship for the summer of 2018*

EDUCATION

University of Michigan College of Engineering

Ann Arbor, MI

B.S.E in Computer Engineering

Expected graduation May 2020

- Dean's List (Winter 2017)
- University Honors
- Relevant Coursework: *Intro to Electric Circuits, Programming and Data Structures, Discrete Math, Electromagnetics I*
- Skills: *MATLAB, C++, LT Spice, Red Hat Linux, Visual Studios, Multilingual (English, Gujarati, Hindi, Spanish)*

Utica Academy for International Studies

Sterling Heights, MI

International Baccalaureate Diploma, Valedictorian

June 2016

EXPERIENCE

Dream Auto Sales

Shelby Township, MI

Sales Associate

May – September 2017

- Managed sales department by recognizing the complexities of organization, security, and maintenance
- Developed sales strategies and communication skills, while also maintaining a user-friendly website to increase sales

Oakbrook Elementary and Heritage Junior High School

Sterling Heights, MI

Tutor

September 2014 -May 2016

- Guided young students through problem sets to develop analytical skills to succeed in coursework
- Developed worksheets to guide students through a thinking process in order to successfully complete problems

CBJ Valet Parking Systems

Macomb, MI

Valet Staff

May – September 2016

- Ensured customer gratification by preventing collisions while overseeing high-priced automobiles
- Showed leadership strength by distributing work responsibilities and building personable relationships

Trisha Food Mart

Anderson, SC

Manager

June 2014 – August 2017

- Collaborated with other employees in order to maintain service quality and overall performance
- Oversaw work of other employees and appropriately managed conflicts to improve service and communication

PROJECTS

Euchre

Ann Arbor, MI

C++

October 2017

- Designed and executed a program to simulate actual gameplay of the card game, Euchre
- Programmed the application to sanitize user input and used classes and structs to generate AI strategy

Signal Filters

Ann Arbor, MI

Circuits

November 2017

- Created lowpass, highpass, bandpass, and bandreject filters with capacitors, inductors, resistors, and op amps
- Worked with the transfer functions of the first-order and second-order filters to recognize and interpret trends

Piazza Post Classifier

Ann Arbor, MI

C++

December 2017

- Used basic machine learning concepts to build a classifier that separates Piazza posts based on words and phrases
- Programmed the application by using data structures such as Binary Search Trees, Maps, and Sets

LEADERSHIP

CPC Youth Group

Sterling Heights, MI

Co-President

March 2014 - 2016

- Facilitated activities and programs for the different levels of participants in the youth group
- Organized and executed a cultural show for the Gujarati community of the greater metro Detroit area

ADDITIONAL

Activities: *Member of the Indian American Student Association, FIRST Robotics (2014-2016)*

Hobbies: *Car Enthusiast*