

# Meelan Patel

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## EDUCATION

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### UNIVERSITY OF MICHIGAN – ANN ARBOR

*Bachelor of Science in Computer Science*

*Expected Graduation: May 2020*

- **Cumulative GPA:** 3.1/4.0
- **Relevant Coursework:** EECS 281: Data Structures and Algorithms, EECS 280: Programming and Introductory Data Structures, EECS 203: Discrete Math, EECS 183: Elementary Programming Concepts

## PROJECTS/COURSEWORK

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### EUCHRE – EECS280

*June 2017*

- Created a simulator for the game of Euchre in C++ using concepts such as classes, vectors, and polymorphism
- Practiced test-driven development using assert and version control using git
- Learned about containers, pointers, templates, linked lists, iterators, recursion, exceptions, command line-operations and functors throughout course

### CONNECT 4 – EECS183

*April 2017*

- Collaborated in a team of four on a virtual simulator for the game of Connect 4 in C++ and incorporated interactive user interface using OpenGL
- Performed paired-programming in groups of two
- Presented project to recruiters from different companies and other students

### MICROCYSTIS RESEARCH – M-STEM ACADEMY

*July 2016 – August 2016*

- Studied the effects of Hydrogen Peroxide on LB-2385 *Microcystis aeruginosa* cyanobacteria in a group of two by performing in-lab trials using compound microscopes and cell inoculation methods
- Utilized Microsoft Excel to graph and analyze differences between cell growth rates
- Created poster using Microsoft PowerPoint and presented findings to faculty members and symposium guests

## SKILLS & ACTIVITIES

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- **Programming Languages:** C++ (Proficient), Java (Familiarity)
- **Speaking Languages:** English (Native), Gujarati (Beg.), Hindi (Beg.), Spanish (Beg.)
- **Applications:** Microsoft Office Suite, Microsoft Visual Studio, Git
- **Activities:** Indian American Student Association, Quiz Bowl

## ADDITIONAL EXPERIENCE

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### M-STEM ACADEMY

**Ann Arbor, MI**

**Student**

*July 2016 - present*

- Enrolled in a two-year academic, personal, and professional development program at the University of Michigan beginning with a pre-freshman six-week program
- Performed research on harmful cyanobacteria while taking a mathematics, writing, and science course
- Engaged in multiple networking events and professional development events with employers/students