

# ALEXANDER D. PATEL

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## Education

### *University of Minnesota Twin Cities*

*May 2021*

College of Science and Engineering: Computer Science

GPA: 3.88/4.00

Relevant Course Work:

- CSCI 1133: Introduction to Programming Concepts – Fall 2017
- CSCI 2011: Discrete Structures – Fall 2017
- CSCI 1933: Introduction to Algorithms and Data Structures – Spring 2018
- CSCI 2033: Computational Linear Algebra – Spring 2018

### *Plainfield North High School*

*May 2017*

Cumulative GPA: 5.67/5.00

Class Rank: 19/499

## Personal Projects

### *Arcade Inspired Games | JavaScript*

- Recreation of the popular mobile game 2048
- Asteroid Flight Game
- Pong (Player vs Computer)

### *Sudoku | Python*

- 9 by 9 Puzzle generator

### *Chrome Extension | JavaScript / HTML*

- Extension to log all images on the page

### *Personal Website | HTML*

- Website to display some personal projects

### *Project Euler Questions | Java*

- 60 Computer Science and Math questions solved

### *Texas Hold'em | Java*

- 1 v 1 showdown against basic computer in the console

### *Traveling Salesmen | JavaScript*

- A genetic algorithm used to find the shortest path between n points

## Awards

- University of Minnesota CSE Dean's List (Fall 2017)
- AP Scholar with Distinction (2016-2017)

## Technical Skills

- Proficient in JavaScript / p5, Java, Python, Microsoft Office
- Developing Skills in HTML / CSS, C#, C++

## Involvement and Honors

### *DECA | President*

*Oct 2015 – May 2017*

- Integrated technology into DECA business organization by developing a website for members
- Increased membership by 150% after a decline

### *ACM | Member*

*Aug 2017 – Present*

- Volunteered at annual MINNEHack

### *THEC | Member*

*Aug 2017 – Present*

- Taylor House Education Center, CSE LLC

### *DECA ICDC (Business Competition)*

- 2-time international level competitor (2016, 2017), 3-time state-level competitor (2015, 2016, 2017)
- Developed business model and prototype with a team for a new product

### *ICTM Math Competition*

- 2-time state-level competitor, individual and team events (2016, 2017)