

# Kevin Hou

Linkedin: <https://www.linkedin.com/in/kevin-hou-564513170/>  
Email: [kevinhou@umich.edu](mailto:kevinhou@umich.edu)

1788 Trinity Rd.  
Canton, MI 48187  
734-892-3772

## Education

University of Michigan, Ann Arbor, MI  
Bachelor of Computer Science  
Overall GPA: 3.71/4.0

*Sept 2018-Present*

Relevant Coursework: Introduction to Logic Design, Programming and Introductory Data Structures, Data Structures and Algorithms, Introduction to Computer Organization, Foundations of Computer Science, Practical Prog Java

Wayne State University, Detroit, MI  
Bachelor of Computer Science  
Overall GPA: 3.92/4.0

*Sept 2016-May 2018*

Relevant Coursework: Introduction to Computer Programming, Computer Science I, Computer Science II, Algorithms and Design, Computer Architecture and Design, Java Programming

## Projects

### Budget Tracker Android App

- Designed an Android App that helps a user keep track of their budget by having the user enter the category of the product, the name of the product, then the price.
- The app will sort categories by alphabetical order and put any new entry into the correct category.
- Each category keeps a running total of the total cost of all the products in the category.
- At the bottom of the screen has the total of all transactions as well as a button to see each individual transaction, sorted by most recent first.
- Uses Java

### Wheel of Fortune

- Simulates a game of Wheel of Fortune by using Java GUI interfaces.
- Uses action listeners to obtain player input for things such as the number of players, their names, and solution for the puzzle

### Campaign Trail Management

- Takes a candidate's budget and cost for visiting each state and determines the optimal route the candidate should take to get the greatest number of votes.
- Implemented using Knapsack algorithm, Minimum Spanning Tree algorithm, and a modified version of the Traveling Salesman Problem
- Uses C++

### Classify Piazza Posts

- Uses a classifier program to determine the label for a new post based on the content of the post in Piazza.
- Uses Machine Learning to train the classifier using what it learned from example posts.
- Uses C++

## School Activities/Misc.

### Code-M

*Sept 2018-Present*

### WSU League of Legends Club

*Sept 2017-May 2018*

- Lead my team to win a couple of games against other teams within the university

## Technical Skills

Proficient: Python, C++, Java

Familiar/Experience with: Javascript, HTML, Assembly