

# David Chen

## Engineer | Web Developer

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[dchen95.github.io/](https://dchen95.github.io/) [github.com/dchen95](https://github.com/dchen95)

### Summary

Software engineer with a passion for design thinking and using technology to solve problems and create meaningful products. An initiator who is hungry for knowledge and always adding to my skill box, which includes HTML/CSS, Javascript, Node.js & MySQL.

### Projects

#### Multiplayer Tic Tac Toe

- Using HTML, CSS and APIs to create Tic-Tac-Toe board and retrieving player locations.
- Using google firebase and jQuery to create a real time multiplayer tic tac toe game.
- Used HTML, CSS, JS, jQuery and Google Firebase and APIs.

#### University of Maryland Parking Lot Capacity Simulation

- Simulating the different possible walking distance from Campus building to university parking lots of student and university staff.
- Using Xpress to develop a linear optimization model to create different scenarios of the most optimal arrangement of student/staff to parking lots.
- Creating an Excel Database of walking distances using Google Map APIs.

### Work experience

#### Assistant Engineer

2017 - Present

WSP USA, Washington D.C

- Developing an Asset Management Database on Excel for the NYC Transit System.
- Providing data analysis of client's project to help optimize their operations.
- Organizing and handling calls with clients and contractors and providing technical and planning support for operations.

#### Market Research Consultant Intern

2013 - 2014

ZigAir LLC

- Developing database of all major and minor airports in the United States.
- Researching and analyzing flight routes to create database of high traffic routes between major cities/destination.
- Working with Q/A engineers to provide quality assurance testing and feedback of the product's online market platform.

### Education

#### Web Development & Software Engineering

2018 - 2018

George Washington University, Washington D.C

#### B.Sc Engineering, Civil

2013 - 2017

University of Maryland - College Park

### Skills

#### Command Line



#### Javascript



#### jQuery



#### HTML/CSS



#### Node.JS



#### MySQL

