

# Neel Singh

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## Education

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### University of Pittsburgh

Expected May 2019

Bachelor of Sciences in Computer Science, Minor in Statistics

**Relevant Coursework:** Data Structures, Intro to Systems Software, Discrete structures for Computer Science, and Statistical Methods

## Experience

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### Software Engineer Intern, HermesIQ

Summer 2016

- Implemented front end and back end online payments using the Stripe API.
- Implemented SMS messaging capabilities to alert patients of upcoming appointments using the Twilio API.
- Written in HTML/CSS, JavaScript and MySQL.

## Languages and Technologies

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**Languages:** Java, Javascript, HTML/CSS, C, assembly, Python

**Technologies:** Node.js, AngularJS, JQuery, Bootstrap

## Projects

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### FeedME | Team

January 2017

- Developed a mobile application using HTML/CSS and Javascript which gives information of events offering free food including a description of the event, its time, and location. Also gives directions with the use of the Google API.

### AutoCoder | Individual

October 2016

- Developed a program that takes input from the user for nine different operations in assembly and displays lines of codes based off those operations, as well as the machine code for those lines.
- Programmed in Assembly.

### Box Run | Team

Summer 2015

- Developed an endless running game in Unity (Javascript) that can switch between 2D and 3D mid game. Designed object spawns and player controls.

### Sudoku Solver | Individual

October 2016

- Implemented a Java program that solves a sudoku board recursively using a four method implementation with backtracking.

- Designed a video engine abstract data type which consists of a generated Javadoc displayed on the web giving information and instructions on how to use the data type.