# Josh Ghimire Bhattarai

bhattar2@msu.edu
Phone: 248-719-4175
407 Avenue G, Apt. 21
Redondo Beach, California 90277
https://github.com/bhattarai333

## **EDUCATION:**

Bachelor's Degree, Computer Science, May 2019 Cognate (Minor), Marketing & Business, May 2019 Michigan State University, East Lansing Michigan

Overall GPA: 3.2/4.0 Computer Science GPA: 3.3/4.0

## **EXPERIENCE:**

# Capstone Experience, East Lansing, Michigan

Herman Miller Material Normalization & Computer Vision, August 2018 – December 2018

- Worked in a group of five peers to design, develop, debug and deliver a real product.
- Trained several machine learning models using Amazon SageMaker and TensorFlow.
- Utilized models in order to recommend customers internal Herman Miller fabrics.
- Integrated models with incoming fabric catalog to standardize fabric categorization.
- Specifically designed integration between the different components of the product.
- Designed and developed API which encapsulates entire product into REST endpoints.
- Product achieved first place prize out of 97 MSU class of 2018 senior CSE students.

# Quicken Loans, Detroit, Michigan

Software Development Intern, June 2016 – August 2016

- Designed and developed software to solve diagnostic issues for multiple users.
- Created front-end server to display all data, functionality created through JavaScript.
- Developed a server with REST API endpoints to receive data from different sources.
- Worked with senior software engineers to familiarize with diagnostic issues.
- Divided project into small tasks and completed them independently.
- Learned practical skills in many languages such as C++, C#, HTML and JavaScript.

## **SKILLS:**

- Java Created program which was eventually sold to digital media company.
- Python Familiar in creating web apps and machine learning model functionality.
- JavaScript Designed website to display information neatly from C# server.
- C# Designed WebSocket server to receive and process REST API calls.
- C/C++ Taken one year each of college level C and C++ courses.
- Assembly Basic level of understanding from college courses.

## **ACTIVITES & HONORS:**

- Urban Science Sigma Award Best overall capstone project, Herman Miller FIBRE.
- LEGO Robotics Medal for "excellent programming".
- Flash Programming Earned \$600 at age of 13 by programming flash games.
- Northville Rowing Silver medal at Grand Rapids Regatta.