

# Josh Ghimire Bhattarai

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## EDUCATION:

Bachelor's Degree, Computer Science, May 2019

Cognate (Minor), Marketing & Business, May 2019

Michigan State University, East Lansing Michigan

**Overall GPA: 3.1/4.0**

**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.
- Learned practical skills in many languages such as C++, C#, HTML and JavaScript.
- Divided project into small tasks and completed them independently.

## 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.

## ACTIVITIES & 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.