

# VENKAT VEERAPPAN

## PROFESSIONAL EXPERIENCE UNIVERSITY OF MICHIGAN RESEARCH PROJECT: BIG DATA AND THE INDUSTRIAL INTERNET OF THINGS MAY 2016 - SEPTEMBER 2016

### Software Developer

- Created a data pipeline between the machines in the university's test-bed and their servers which allowed us to build a real-time data monitoring system and analysis framework.
- Utilized Kafka and the Hadoop framework to create high throughput data pipeline for data analysis. Kafka is a distributed streaming platform and Hadoop is a framework that allows for the distributed processing of large data sets.
- Gained valuable experience in organizing my time efficiently and splitting up working effectively with other team members to meet deadlines.
- I also gained valuable experience in working autonomously and presenting progress efficiently to project managers on a weekly basis.

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## ADDITIONAL SKILLS/ EXPERIENCE

- Received 1<sup>st</sup> place at a 48-hour game jam competition at the University of Michigan. I was the lead designer for the game and created the main game concepts, mechanics, and enemies for the game.
- Experienced with the game engine Unity.
- Experienced leading and making design decisions in group projects.
- Experienced with building dynamic websites using backend programming languages such as Python.
- Experienced using multiple types of Relational Databases (Oracle, MySQL, and Postgres).
- Proficient in Coding Languages: C++, Python, SQL, HTML5, C#, and Java. Some experience in C and JavaScript.

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## EDUCATION UNIVERSITY OF MICHIGAN, ANN ARBOR MI

Bachelor of Science in Computer Science

Expected Completion: April 2017

GPA: 3.40/4.00

Honors: William J. Branstrom Freshman Prize

Relevant Coursework: EECS 388 Introduction to Computer Security, EECS 484 Database Design and Management Systems, EECS 485 Web Database and Information Systems, EECS 492 Introduction to Artificial Intelligence, EECS 494 Introduction to Game Development and Design

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