Chris Johanson

(330) 732-7183	C.Alx.Johanson@gmail.com	San Jose, CA

Software Engineer with professional experience in low-level development on large scale production systems. Goal-oriented with experience teaching myself complex topics in a broad set of technical fields, I like to challenge myself and excel in an environment working in a team which allows me to do so.

PROFESSIONAL EXPERIENCE

IBM   **San Jose, CA**
Backend Software Developer - Band 8   *July 2020 - Present*

- Lead AI and Machine Learning initiatives for IMS Infrastructure department
- Research opportunities for AI and Machine Learning integration into IMS
- Lead developer on year long project, implemented new functionality for IMS asynchronous transactions, wrote assembly logic for function activation and transaction routing, organized the team in weekly meetings, completed the project ahead of schedule
- Designed, developed, and trained Recurrent Neural Network model utilizing LSTM layers and autoencoders for preemptive service outage detection in IMS systems using real time data
- Wrote production code in assembly, used virtual machines to build and test the code
- Recreated customer reported issues, located source of and resolved the issue with the production code
- Performed functional verification testing on provided fixes as well as development line items

CORNELL UNIVERSITY   **Ithaca, NY**
Assistant Backend Web Developer   *June 2018 - August 2018*

June 2019 - August 2019

- Wrote Python script to scrape employee hierarchy data from the Cornell School of Business website in order to construct a tree diagram of employee relations
- Integrated the data with google sheets and Workday API's to validate this model and organize and track link relationships for employee pages on the website
- Worked closely with professional programmers to complete tasks as part of a team

EDUCATION

CORNELL UNIVERSITY - COLLEGE OF ENGINEERING   **Ithaca, NY**
Bachelor of Science in Computer Engineering   *September 2016 - May 2020*

Relevant Coursework

CS 3410 - Systems Programming	CS 4320 - Intro to Database Systems	CS 4410 - Operating Systems
CS 4700 - Foundations of Artif Inllgnce	CS 4780 - Machine Learning Intell Sys	CS 4820 - Intro Analysis of Algorithms
CS 4750 - Foundations of Robotics		

SKILLS & INTERESTS

- Assembly
- CSS
- Machine Learning
- Cooking
- Java
- React
- AI
- Art
- JavaScript
- Python
- Rugby
- HTML
- Robotics
- Weight Lifting