Joshua Zastrow

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PROFESSIONAL EXPERIENCE

Horst Engineering *May 2014–Present*
Business Intelligence Engineer *Lynn, MA*
SQL and dashboard development for internal reports across all company departments.
Report design and deployment for KPI reporting, standard reports and company forms.
Develop business process automation workflows, alerts and error checkers.

QD Vision – LED Display Technology *July 2013–December 2013*
Display Engineer Co-op *Lexington, MA*
Automated data processing and report generation on internal measurement systems.
Assisted with fixture development for product integration into edge-lit displays.

Taris Biomedical – Biomedical Devices *July 2012–December 2012*
Product Development Co-op *Lexington, MA*
Created SolidWorks models and detailed CAD drawings of manufacturing fixtures, device components and tooling.
Prototyped fixtures for testing and assembly manufacturing, responsible for in-house and out-sourced fabrication.

GE Energy – Industrial Solutions *May 2011–December 2011*
Project Engineer Co-op *Burlington, MA*
Processed and managed electrical distribution projects for national corporations.
Managed project shipments, distributors, suppliers, delivery schedules, billing reconciliation, and order processing.

EDUCATION

Northeastern University *May 2014*
Bachelor of Science in Mechanical Engineering, GPA: 3.5 *Boston, MA*
Activities & Awards
Magna Cum Laude *2014* - Capstone Design – 1st Place *2014* - Engineering for Greater Good – 2nd Place *2012*
Swim Club *2010-2013* - Maimonides Leadership program *2012* - Honors Program mentor *2010*

SKILLS

Python*, Data Science/ML* - Visual Basic, *Excel Data Visualization* - LINUX*, Raspberry Pi projects*
SQL, *SQL Server Reporting* - AWS Lambda, *Server-less REST API* - MATLAB, *Machine Learning, Simulink*

PROJECTS

Housing Prediction Engine – End to End Machine Learning Web Application
Data analysis, machine learning model development and deployment to a web based user interface.

Convolutional Neural Networks - Image Classification on CIFAR10 Dataset
A dive into numerous machine learning techniques to label the CIFAR10 dataset. Stanford's CS231n CNN course.

Sentient CNC – An IoT Device for A.I Supervision of CNC Manufacturing Machines
An IoT device prototype that would stream sensor data to a machine learning model for autonomous machine supervision.

Machine Learning – Andrew Ng's Coursera Course
Andrew Ng's first machine learning course. Covers linear regression, logistic classifiers, SVMs and neural networks.