

# Joshua Zastrow

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## PROFESSIONAL EXPERIENCE

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### Acclimate Consulting – Strategy and AI Consulting

*Managing Partner, Machine Learning Engineer*

*May 2018–Present*

*San Francisco, CA*

Lead business development efforts, engaging with potential clients and identifying business-use cases.

Develop and deploy machine learning models and custom data-driven tools and products.

### Horst Engineering – Aerospace Manufacturing

*Business Intelligence Engineer*

*May 2014–July 2018*

*Lynn, MA*

Wrangled, processed and transformed organizations data to establish a central Data Warehouse.

Overhauled organization's suite of forms and reports; developed SQL driven dashboards and metrics.

### QD Vision – LED Display Technology

*Display Engineer Co-op*

*July 2013–December 2013*

*Lexington, MA*

Established complete automation of data processing and report generation on internal system metrics.

Tested and calibrated display measurement systems using Gage R&R and correlation techniques.

### Taris Biomedical – Biomedical Devices

*Product Development Co-op*

*July 2012–December 2012*

*Lexington, MA*

Created CAD models and technical drawings of manufacturing fixtures, device components and tooling.

Prototyped fixtures for testing and manufacturing, responsible for in-house and out-sourced fabrication.

### GE Energy – Industrial Solutions

*Project Engineer Co-op*

*May 2011–December 2011*

*Burlington, MA*

Managed shipments, schedules, suppliers, distributors for electrical distribution projects

## EDUCATION

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### Northeastern University

Bachelor of Science in Mechanical Engineering, GPA: 3.5

*May 2014*

*Boston, MA*

### Continued Education

Deep Learning Part 2, *Fast AI* - CNN for Vision Recognition, *CS231n* - Machine Learning, *Andrew Ng Coursera*  
Network Analysis, *Coursera*

## SKILLS

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Python, *general purpose programming* - Matplotlib/Plot.ly, *data visualization* - Pandas / SQL, *data analysis & processing*  
PyTorch / Keras, *machine learning* - SSRS, *report and dashboard development* - AWS Lambda, *server-less REST API*

## ACTIVITIES

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Ambassador, VC Tokyo 2018 - Volunteer, Venture Cafe 2017 - Instructor, Roxbury Innovation Lab 2016  
Magna Cum Laude 2014 - Capstone Design – 1<sup>st</sup> Place 2014 - Engineering for Greater Good – 2<sup>nd</sup> Place 2012  
Swim Club 2010-2013 - Maimonides Leadership program 2012 - Honors Program mentor 2010

## PROJECTS

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### A.I Scheduler – Predicting Start and End Dates for Manufacturing Jobs

Developing a predictive model on production scheduling to improve on-time delivery.

### Housing Prediction Engine – End to End Machine Learning Web Application

Deployed cloud-based serverless Machine Learning system, built regression model and training algorithm from scratch

### Deep Learning – Developing a CNN Model and Training Algorithm for Object Detection and Recognition

Developed a custom CNN and benchmark ResNet-based model to perform Object Detection on PASCAL and CIFAR10 images.