

ERIC CHANG

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experience

Autodesk

San Francisco, CA

Data Scientist Intern

Jun 16 - Sep 16

- Deliver insights from big data collected on Autodesk Fusion 360 users, frequently presenting to non-technical audiences
- Built and deployed customer labeling system using unsupervised machine learning, achieving 94% correct classification rate

Spiegel Research Center

Evanston, IL

Research Assistant

Mar 16 - Jun 16

- Implement text mining to analyze causal relationships between product reviews and purchase probability
- Perform feature extraction and data cleaning using R and SQL

Webb DeVlam

Chicago, IL

Design Engineer Intern

Sep 16 - Dec 16

- Design, prototype, and engineer packaging concepts in collaboration with industrial designers

Altec

St Joseph, MO

Manufacturing Engineer Co-op

Jun 15 - Dec 15

- Implemented \$147,000 annual cost savings on \$260,000 of spend - largest single cost reduction in plant history
- Achieved 2900 hours in annual time savings by sourcing machines to expedite circuit board manufacturing

extracurriculars

3D Printing for Everyone

Mar 16 - Present

Founder and President

- Founded Northwestern's first student organization dedicated to 3D Printing and CAD education
- Grew club to 15 active members, organized and taught workshops to audiences of over 50 attendees

Toastmasters

Mar 14 - Mar 16

Member

- Write and deliver speeches and presentations to on a regular basis, building confidence and facility with public speaking

education

Northwestern University

B.S. Industrial Engineering
B.S. Manufacturing and Design Engineering
GPA 3.41/4.00

skills

R, Python, SQL
Apache Spark (pySpark)
Git

Fluent in Spanish and Mandarin Chinese

projects+awards

DrivenData Machine Learning Competition

Ranked 48 of 2100 contestants.
Developed multiclass classification model with 82% accuracy.

UChicago Econometrics Contest

3rd Place winner. Analyzed US census data, presented findings

3M Invent a New Future

1 of 10 chosen nationwide to compete. Analyzed 3M industries, made recommendations

Autodesk StEx Design Challenge

2nd Place winner. Designed and modeled food transport solution.