

# Kevin Jiawen Zeng

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## EDUCATION

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Johns Hopkins University | Baltimore, Maryland

**Master of Science in Data Science** | May 2023 | GPA: 3.9/4.0

- Relevant Coursework: Algorithms for Data Science; Data Visualization; Statistical Models and Regression; Data Science; Data Structure; Statistical Methods and Data Analysis

University of Illinois at Chicago | Chicago, IL

**Bachelor of Science in Biomedical Engineering** | Spring 2018

Concentration: Biomedical Imaging

- Relevant Coursework: Applied Linear Algebra; Introduction to Differential Equations; Programming for Engineers with C++; Modeling Physiological Data and Systems; Biostatistics; Biological System Analysis; Biomedical Imaging

## SKILLS

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Tools and Computer Languages:

Python (TensorFlow; Plotly; Matplotlib; Seaborn; Keras; PyTorch); R; Java; MySQL; Tableau; MATLAB; C++; Microsoft Excel; Minitab; HTML; CSS; JavaScript

Languages:

Conversational and literate in Chinese (Mandarin and Cantonese)

## PROJECT EXPERIENCE

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**Application of Deep Learning to MNIST Dataset** | Algorithm for Data Science

Baltimore, Maryland | August 2021 - November 2021

- Prepared data using data normalization, outlier removal, and feature selection
- Employed **TensorFlow-based** object detection API to help recognition
- Optimized algorithm and adjusted parameters to improve neural network model performance with higher accuracy
- Implemented a Convolutional Neural Networks in **Python** with **Keras** to train over **12,000 observations** for testing data set; Achieved a testing accuracy of **83.2%**

## PROFESSIONAL EXPERIENCE

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**Field Service Technician** | Agiliti Health

Chicago, IL | February 2020 - June 2021

**Biomedical Equipment Technician**

Chicago, IL | October 2018 - January 2020

- Awarded Annual Spotlight Award for top productivity among all technicians
- Tracked and reported over **5000** product incident reports and complaint reports in **Agile** environment
- Reduced turnaround time by **10%** by utilizing **Microsoft Excel**, **Minitab**, and **R** for statistics and risk analysis
- Practiced medical industry regulatory requirements and **ISO 13485** standards and **FDA 21 CFR Part 820**
- Traveled across over **20** states in U.S. to provide technical support on medical equipment
- Provided cost-effective preventive maintenance, inspection, calibration, corrective repair service, and operational verification on over **15** types of medical equipment
- Contributed and reviewed over **50** work instructions and maintained effectiveness of quality system
- Provided input into risk management documentation including risk analyses and FMEA
- Performed investigations to determine root cause for different levels of complexity issues
- Verified document changes, quality, and regulatory information
- Performed detailed analysis of returned customer parts and used findings to drive Corrective and Preventative Action (CAPA) improvements
- Analyzed and interpreted technical literature, circuit, and mechanical schematics, technical drawings, computer networks, and equipment interfacing