

William Steimel

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SKILLS

- Tools: Tableau, Git, GIS, Visio, SAP Business Objects, Advanced Excel (Pivot Table/Vlookup)
- Programming Languages: Python (pandas, NumPy, Matplotlib, Seaborn, scikit-learn), R, SQL, Javascript
- Machine Learning: Regression, Random Forests, Neural Networks, Clustering, Gradient Boosting

ML COMPETITIONS

- Signate - Iida Group Holdings - Saitama Land Price Estimation Challenge - Bronze Medal - Rank 98/593

WORK EXPERIENCE

Lombard Inc. (CodExa)

Tokyo, Japan

Machine Learning Intern

Feb 2018 – Present

- Co-authored articles published in Nikkei Software on end-to-end machine learning (Nov 2018)
 - Nikkei Software - January 2019 Edition
 - Nikkei Software - Become an AI Programmer
- Analyzed data from internal affiliate marketing application to get insight into partner behavior
- Developed baseline advertisement collaborative filtering recommender system based on customer and advertisement descriptive features
- Developed machine learning strategy recommending applications based on analysis of company data sources and values
- Wrote Python and machine learning courses (MOOCs) and articles for beginner and intermediate students on codexa.net platform

Developed Courses

- Logistic Regression (Python)
- Random Forest (Python)
- Support Vector Machines (Python)
- Naive Bayes (Python)
- Principal Components Analysis (PCA) (Python)
- K-Nearest Neighbors (K-NN) (Python)
- Gradient Boosting Trees and XGBoost (Python)
- Building a Neural Network - By scratch, PyTorch, and Tensorflow (Python)
- Introduction to Image Recognition (Python)
- Kaggle Techniques for Beginners (Python)
- R Programming and TidyVerse (R)

Contributed Articles

- How to use LightGBM and how it compares with XGBoost
- PyTorch Primer, 6 fundamentals you should know about PyTorch
- How to Use Google Colaboratory
- Build an Anime Recommender System with Collaborative Filtering and K-NN
- Basic Exploratory Data Analysis with Python
- CNN-MNIST Keras for beginners
- Hyperparameter Optimization with Bayesian Optimization
- Introduction to K-Fold Cross-Validation
- Deploying a Customer Churn Prediction Application locally with Flask

ADP

Roseland, NJ

IT Service Manager

May 2017 – September 2017

- Responsible for management of overall quality of IT Service Areas including Data Center Site Mgmt, IT Hosting Ops, Critical Incident Response Team, Enterprise Change Control, and Mainframe
- Analyzed budgets totaling millions of dollars for technical projects to ensure proper allocation of resources
- Maintained documentation, reports, and KPI scorecards vital to the Change Management process
- Managed weekly Change Management process improvement meetings in collaboration with CAB
- Identified applications impacted by EU GDPR/BCR Statutory Requirements and associated PII data

I&O Analyst

June 2015 – May 2017

- Responsible for implementing reporting automation and statistical analysis to facilitate process optimization, capacity/demand forecasting, service level management, and audit compliance
- Created and presented executive dashboards and scorecards to show the trends in data using R/Excel
- Used SQL Server/R programming skills to create automated data cleaning/extraction scripts
- Created interactive Tableau Dashboards revealing insight into ADP's Operational performance
- Organized and developed technical process documents and evidence for ISO 9000 and 20000 Audits
- Developed business cases through available data to justify key projects to upper management
- Supported consultants as process analyst for successful migration to risk-based change process

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Intern (IT Service Mgmt/Project Mgmt)

February 2015 – May 2015

- Supported service management team in documentation management via MS Sharepoint/Jive/Jira
- Monitored monthly request, incident, problem, and change metrics against targets
- Created interactive training on Change Management Process through LMS Software for 1500 users

Felician University Global Academic Initiatives

Lodi, NJ

NGO Representative to the United Nations DPI

January 2015 – June 2015

- Participated at weekly briefings organized by UN DPI on topics related to social justice and diplomacy

Felician University

Lodi, NJ

Research Assistant

July 2013 – May 2015

- Coordinated with staff members to manage primary reporting activities associated with student feedback

Systems Assistant

June 2011 – August 2012

- Developed statistical reports for campus-wide departments through SQL Server and Crystal Reports

EDUCATION

Sophia University

Tokyo, Japan

Master of Science in Green Science and Engineering

Sept 2017 - Sept 2019

- Research Area: Machine Learning
- Joint Diploma in Sustainability Studies: United Nations University
- Monbukagakusho Scholarship (MEXT Scholarship) Recipient

Masters Thesis: A Time Independent Gradient Boosting Machine for Rent Prediction in Tokyo 23 Special Wards with Geospatial and Environmental Features

Coursework: Sophia University

- Statistical Data Analysis
- Computer Science
- Javascript
- Mathematical Optimization, Operations Research, and Machine Learning Lab

Coursework: United Nations University

- Global Change and Planetary Boundaries
- Remote Sensing, Geographical Information Systems and Analysis: Theory and Application

Felician University

Lodi, NJ

Bachelor of Science in Business Administration

September 2010 - May 2015

- Minor: Global Peace and Justice Studies
- Summa Cum Laude

Kansai Gaidai University

Osaka, Japan

Asian Studies Program

September 2012 - June 2013

LEADERSHIP

ADP UX Hackday (Hackathon) Winter 2016

- Collaborated to create and develop concept to modernize user interface of internal change management portal aligned with global company UX standards

“Policy Imperatives for Women’s Health Research and Development” Spring 2015

- Delivered speech at the inaugural “World Women’s Health and Development Forum” at the UN
- Researched world labor force participation rates and proposed youth vision to reducing gender inequality

CERTIFICATIONS

- ITIL v3-Foundations, Understanding BS ISO/IEC 20000-1:2011, JLPT N2