

Masaki Sato

U.S. Permanent Resident

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Education

University of Illinois at Urbana-Champaign
Bachelor of Science in Computer Engineering

December 2020
GPA: 3.84/4.00

Relevant Coursework:

| | | |
|---------------------------|------------------------|---|
| Data Structures | Computer Architecture | Computer Systems & Programming |
| Digital Signal Processing | Applied Linear Algebra | Probability with Engineering Applications |

Work Experiences

Katabat

June 2018 - July 2018

Data Scientist Intern

Wilmington, DE

- Designed machine learning models using LightGBM to predict likelihood of debt payment with over 70% accuracy in team of four
- Analyzed and organized data graphically using packages such as pandas and seaborn
- Performed cross-validation tests and optimized parameters on gradient boosted tree models by utilizing scikit-learn
- Maintained server connections between super computers for testing machine learning models efficiently

Project Highlights

FutureList - anime score prediction app

November 2018 - May 2019

- Developed interactive GUI Electron app to predict scores of anime by machine learning model and display graphical analysis of data
- Utilized HTML, CSS, Javascript, Node.js, Python, and Electron to develop

MalLinker - discord bot that links webpage of anime database

October 2018 - April 2019

- Built discord bot for searching anime database and linking webpage with metadata message using Javascript and Node.js modules

mal_score_prediction - proto type of FutureList

August 2018 - January 2019

- Created command-line Python app for predicting scores of anime by machine learning model with XGBoost and scikit-learn packages in Python

Technical Skills

Programming Languages: Python, Javascript, HTML, CSS, Java, C, and C++

Technologies: Node.js, jQuery, MySQL, GraphQL, Bash Shell, Git and Linux

Applications: Matlab, PuTTY, Mathematica, LaTeX, and Electron

Languages: Fluent in Japanese, and Mandarin

Honors

Dean's List

August 2018 - May 2019

22nd place on Home Credit Default Risk Competition on Kaggle

August 2018

Activities

Eta Kappa Nu

August 2019 - Present

Institute of Electrical and Electronics Engineers

August 2019 - Present

Satellite Development Organization: Mission Operation Team

August 2019 - Present

Society of Physics Students

August 2017 - May 2019

Student Aircraft Builders

August 2017 - May 2019