

Masaki Sato

U.S. Permanent Resident

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Education

University of Illinois Urbana-Champaign

BS Computer Engineering

Graduation year: 2021

GPA: 3.83/4.00

- **Activities:** Society of Physics Students, Student Aircraft Builders
- **Honors:** Dean's List
- **Relevant Coursework:** Computer Architecture, Programming in C, Intro to Computing, Applied Linear Algebra, Multivariable Calculus.

Work Experiences

Katabat

Data Scientist Intern

June 2018 ~ July 2018

Wilmington, DE

- Created machine learning models using LightGBM to predict the likelihood of debt payment with over 70% accuracy.
- Analyzed and organized data graphically using packages like pandas and seaborn.
- Handled server connections between super computers for testing machine learning models efficiently.
- Composed detailed documentations of music recommender application.

Projects

FutureList - an anime score prediction app

2018 ~ Current

- Developed interactive GUI command-line Electron app that predicts the scores of anime by machine learning model and displays graphical analysis of data using HTML, CSS, Javascript, and Python.

mal_score_prediction - proto type of FutureList

2017 ~ 2018

- Created command-line python app that predicts the scores of anime by machine learning model using Python.

MalLinker - discord bot that links webpage of anime database

2018 ~ 2019

- Developed discord bot that searches anime database and links the webpage with metadata message using Javascript and Node.js modules.

Achievements and Honors

22nd place on Home Credit Default Risk Competition on Kaggle

2018

- Participated with other interns at Katabat

Dean's List for University of Illinois Urbana-Champaign

2018 ~ 2019

- Awarded for top 10% of students for academic excellence

Skills

Programming language skills: Python, Javascript, HTML, CSS, Java, C, and C++,

Other Technology skills: Git, Node.js, Bash Shell, jQuery, GraphQL

Software skills: PuTTY, Mathematica, LaTeX, Matlab, Microsoft Word, Microsoft Powerpoint, Microsoft Excel, Adobe PDF, Adobe Photoshop

Language skills: Fluent in Japanese, Mandarin, and English. Elementary proficiency in Arabic.