

# 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
- 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:** Git, Node.js, Bash Shell, jQuery, GraphQL, Linux, and Electron

**Applications:** Matlab, PuTTY, Mathematica, LaTeX, Microsoft Word, Microsoft Powerpoint, Microsoft Excel, Adobe Photoshop

**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**