

# Masaki Sato

U.S. Permanent Resident

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## Education

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

**May 2021**  
GPA: 3.84/4.00

### Relevant Coursework:

Data Structures	Computer Architecture	Computer Systems & Programming
Digital Signal Processing	Applied Linear Algebra	Multivariable Calculus

## Work Experiences

**Katabat** **June 2018 - July 2018**  
*Data Scientist Intern* **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
- Maintained server connections between super computers for testing machine learning models efficiently

## Projects

**FutureList** - *an anime score prediction app* **Nov 2018 - May 2019**

- 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

**MalLinker** - *discord bot that links webpage of anime database* **Oct 2018 - April 2019**

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

**mal\_score\_prediction** - *proto type of FutureList* **Aug 2018 - Jan 2019**

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

## Technical Skills

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

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

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

**Languages:** Fluent in Japanese, and Mandarin

## Activities and Honors

**Dean's List for University of Illinois Urbana-Champaign** **Aug 2018 - May 2019**

- Awarded for top 10% of students for academic excellence

**22nd place on Home Credit Default Risk Competition on Kaggle** **Aug 2018**

**Eta Kappa Nu** **Aug 2019 - Present**

**Satellite Development Organization: Mission Operation Team** **Aug 2019 - Present**

**Institute of Electrical and Electronics Engineers** **Aug 2019 - Present**

**Society of Physics Students** **Aug 2017 - May 2019**

**Student Aircraft Builders** **Aug 2017 - May 2019**