

# JASON CHONGKYUNG KIM

☎ 267-453-6620 ✉ [ckim5@swarthmore.edu](mailto:ckim5@swarthmore.edu) [in LinkedIn](#) [Github](#) ★ [Personal Website](#)

## Education

### Swarthmore College

*Bachelor of Science in Computer Science and Statistics*

Aug. 2018 – May 2022

Cumulative GPA: 3.67; Major GPA: 3.92

## Technical Skills

**Languages:** Python, SQL, R, C, C++, HTML/CSS/JavaScript

**Technologies:** Docker, Kubernetes, Redis, AWS, Grafana, Apache Airflow, Jupyter Notebook, PostgreSQL, Domo, Plotly

## Experience

### Telnyx

June 2021 – August 2021

*Software Engineer Intern*

Chicago, IL

- Built a new **ETL pipeline** for primary customer data warehouse and developed **Apache Airflow DAGs** using **Python** and **SQL**.
- Made the code for creating and configuring new DAGs **scalable** by using **Python decorators**.
- Wrote unit tests for DAGs using **Python** to prevent data corruption and SQL injection attacks.
- Deployed new commits to development and production and oversaw the deploy process by assessing **Apache Airflow** UI, **Grafana**, and **Kubernetes**.

### Hucu.ai

April 2021 – May 2021

*Data Science Intern*

Chicago, IL

- Created an analysis report template using **Python** and Jira's **REST API** to assess workflow of engineers at Hucu.
- Built a statistical metric to study engineers' workflow speed and efficiency and created interactive graphs using **Plotly**.
- Brainstormed with CEO and program managers to find best engineering and workflow practices.

### Swarthmore College Statistics Department

May 2020 – May 2021

*Data Science Intern*

Swarthmore, PA

- Designed a **logistic regression model** and built **parallelized algorithm** in **R** to estimate the survival probability of whales in the dataset and to discern **statistically significant variables** that affect a whale's survival rate.
- Reported data findings to the Swarthmore math department of 10+ professors and 30+ students. Paper to be finalized and published by October 2021.

### LotusFlare

August 2020 – November 2020

*Data Science Intern*

Sunnyvale, CA

- Used **Python** and Jira's **REST API** to find trends in the Jira dataset and automate data analysis reports for the program managers.
- Developed an automated email notification system that alerts engineers about due Jira tickets that improved ticket completion rate (before due date) from 63% to 91%.
- Coordinated with product managers and data scientists to understand existing management behavior, suggest best practices, and highlight potential risks.
- Reported data analysis findings in bi-weekly meetings to 30+ engineers and product managers.


### Grader for Mathematical Statistics Course

August 2021 – Present

## Projects


### Stein's Estimate: Predicting the Premier League (WIP) ([Github](#) ) | *Python*

July 2021

- Develop a web scraper using **Python** to retrieve soccer data from [TransferMarkt](#) .
- Use Stein's Estimate to predict English Premier League positions for the 2021-2022 season.

### Average face of Euro 2020 ([Github](#) ) | *Python, facer*

June 2021

- Built a web scraper using **Python** and **Beautiful Soup** to extract 618 player profile pictures from the official Euro 2020 website [Official Euro 2020 Website](#) .
- Used **facer** package to calculate the average face of all 618 players' faces and the average face of all 24 teams.

### Personalized Spotify Report ([Github](#) ) | *Python*

June 2021

- Created a personalized Spotify listening data report using **Python** and Spotify's Web **API**.
- Visualized the popularity of the personal Top 50 artists and songs alongside most represented artists in the Top 50 songs.

## Coursework

**Computer Science:** Data Structures and Algorithms, Artificial Intelligence, Discrete Mathematics, Theory of Computation, Intro to Computer Systems

**Math:** Linear Algebra - Honors, Honors Several Variable Calculus, Probability, Differential Equations, Statistical Methods II, Mathematical Statistics I, Mathematical Statistics II