

# Andrew Hong

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US Citizen

## EDUCATION

### CARNEGIE MELLON UNIVERSITY

Statistics and Machine Learning  
Software Engineering Minor  
Dean's List Student

## ADVANCED COURSES

### GRADUATE

Machine Learning  
Blockchain Application

### UNDERGRADUATE

Machine Learning in Practice  
Software Systems Construction

## SKILLS

### CODING LANGUAGES

Python  
Java  
C  
SQL, R

### PYTHON PACKAGES

Pandas  
Scikit-Learn  
Flask  
Matplotlib

### TOOLS

UNIX Shell, LaTeX,  
WordPress, Unity

## WORK EXPERIENCE

### DATA SCIENCE INTERN | DOWNTOWN MUSIC PUBLISHING

May 2019 - August 2019 | New York, NY

- Developed programs that performed web scraping, cleaned data, grabbed information with the Spotify API, and analyzed how prolific Downtown clients are
- Created data visualizations reports on clients using PostgreSQL and the data analytics platform CHARTIO
- Wrote research scopes, extracted and cleaned data for multiple data projects using MSSQL, PostgreSQL, Excel, and Pandas

### MACHINE LEARNING INTERN | BEYONDBOND INC.

May 2018 - August 2018 | Summit, NJ

- Created a stock forecasting model with a team of interns using technical indicators for features.
- Wrote a program that interacted with IEX trading API to grab stock data in real time
- Created a web application using Python's Flask framework to allow users to interact with the model.

### ROBOTICS INTERN | ACER INC.

July 2017 - August 2017 | Taipei, TW

- Programmed a robot bartender to mimic human actions, interact with users, and dance in a live demo.

### TENNIS CENTER FRONT DESK CLERK | GINA'S TENNIS WORLD

April 2015 - April 2016 | Berkeley Heights, NJ

- Administered cash registers, answered voice-mails and phone calls, and greeted and assisted customers
- Handled scheduling and payment for tennis club events and court

## TEACHING EXPERIENCE

### COMPUTER SCIENCE TEACHING ASSISTANT

August 2019 - Present | Carnegie Mellon University

- TA for "Fundamentals of Computer Science", ranked top 5 computer science classes in the nation.
- Teaching topics such as Object Oriented programming.
- Helping Students understand python and basic algorithms

### STATISTICS TEACHING ASSISTANT

January 2018 - May 2018 | Carnegie Mellon University

- Explained introductory statistics concepts to students in the course "Reasoning with Data".
- Co-led weekly lab sections and answered questions about statistics and ISLE (CMU's statistics teaching platform).
- Helped students outside of lecture or lab with exam preparation, homework, and lecture material