

# Benjamin Borovinsky

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## EDUCATION

### UNIVERSITY OF SOUTHERN CALIFORNIA

M.S. IN FINANCIAL ENGINEERING  
May 2020 | GPA: 3.4 | Los Angeles, CA

### UNIVERSITY OF SOUTHERN CALIFORNIA

B.S. IN MECHANICAL ENGINEERING  
MINOR IN SPORTS MEDIA STUDIES  
May 2019 | GPA: 3.4 | Los Angeles, CA

## LANGUAGES

Python SQL R MATLAB  
L<sup>A</sup>T<sub>E</sub>X HTML CSS C++

## SKILLS

MS Word MS Excel MS Access  
MS PowerPoint MS Power BI  
Adobe Illustrator 3D Modeling  
DB Modeling DB Normalization

## EXTRACURRICULAR

### SOCIETY FOR AMERICAN BASEBALL RESEARCH

MEMBER  
Oct 2019 – present

### KIUEL PROGRAMMING COMMITTEE

TREASURER  
VP OF COMMUNITY OUTREACH  
Apr 2017 – May 2019

### SIGMA ALPHA MU

SCHOLARSHIP CHAIR  
INTRAFRATERNITY COUNCIL  
Jan 2017 – May 2019

### ULTIMATE FRISBEE

TEAM MEMBER  
Sep 2015 – May 2017

## INTERESTS

Running • College Sports • Fantasy Sports  
MLB • NBA • Scoring Baseball

## WORK EXPERIENCE

### IMPAC MORTGAGE CORP. | CAPITAL MARKETS ANALYST

Sep 2020 – present | Irvine, CA

- Develop competitive pricing analysis reports with Python web-scraping methods
- Optimize data acquisition for internal reporting using SQL
- Modernize and automate tasks by converting into scripts supported with version control
- Investigate pipeline health and present visualizations with Power BI

### USC FOOTBALL | PLAYER PERSONNEL INTERN & ANALYTICS SPECIALIST

May 2019 – July 2020 | Los Angeles, CA

- Performed data collection and normalization with information from official sources on football recruits
- Analyzed resulting recruit data and build reports for coaches with recruiting operations

### USC SPORTS INFORMATION OFFICE | STUDENT INTERN

Aug 2016 – May 2020 | Los Angeles, CA

- Completed statistics at Men's Basketball games and Women's Beach Volleyball matches
- Provided data assistance for Football, Women's Soccer, Baseball, and all other USC sports

### SECOND SPECTRUM | SPORTS DATA OPERATOR

Sep 2018 – Dec 2018 | Los Angeles, CA

- Provided advanced data analytics for NBA teams
- Parsed data to assist analysts using computer vision and machine learning techniques
- Applied new approaches and improvements to data tracking science for object detection

### LENDERLIVE | SECONDARY MARKETING INTERN

June 2018 – Aug 2018 | Aliso Viejo, CA

- Priced and purchased loans from financial institutions to package for investors
- Investigated opportunities via data analytics to optimize loan pullthrough

### OLIVER WYMAN | ACTUARIAL CONSULTING INTERN

June 2017 – Aug 2017 | Los Angeles, CA

- Estimated unpaid insurance claims using techniques per the Casualty Actuarial Society
- Performed technical reviews on client reports for accuracy and consistency
- Imported client data into Microsoft Access to create and interpret diagnostic triangles

### DAILY TROJAN | COPY EDITOR

Aug 2016 – May 2017 | Los Angeles, CA

- Checked and reviewed college newspaper stories for facts and grammar

### MONSTER ENERGY COMPANY |

NEW PRODUCT DEVELOPMENT / CORPORATE QUALITY ASSURANCE INTERN

May 2016 – Aug 2016 | Corona, CA

- Used statistical analysis to determine the most appropriate co-packer for a product
- Provided mathematical insight to corporate executives regarding product compositions

## LIFE EXPERIENCE

Organized and Optimized my 10,000+ Baseball Card Collection	2021
Conducted Master's Research on MLB Player Value	2020
Attended the MIT Sloan Sports Analytics Conference	2020
Created a Football Recruiting Scraping Algorithm "worth \$1 Million"	2020
Developed Analytics for my Blog on <i>The Bachelor</i> and <i>The Bachelorette</i>	2019-2021
Witnessed the Boston Red Sox Win the World Series in Person	2018
Created a College Football Quarterback Statistic	2018
Built Personal Desktop Computer Running Intel Xeon Processor	2018
Witnessed USC Defeat Penn State at the Rose Bowl in Person	2017
Ran a Personal Best in the 3-Mile (17:19)	2012
Met Vin Scully in the Press Box at Dodger Stadium	2010
Completed Two Los Angeles Marathons	2009, 2010