

Benjamin Borovinsky

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

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

UNIVERSITY OF SOUTHERN CALIFORNIA

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

LANGUAGES

Python SQL R LaTeX
MATLAB HTML CSS
VBA C++

SKILLS

MS Excel MS PowerPoint
Data Cleaning Visualization
MS Access MS Power BI
3D 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

DAILY TROJAN

COPY EDITOR
Aug 2016 – May 2017

ULTIMATE FRISBEE

TEAM MEMBER
Sep 2015 – May 2017

INTERESTS

MLB • College Football • Fantasy Sports
Scoring Baseball • Running & Lifting

Created with LaTeX

WORK EXPERIENCE

SG CAPITAL PARTNERS | CAPITAL MARKETS ASSOCIATE

Aug 2022 – present | Stamford, CT

- Construct cashflow models for mortgage loans and bonds in Python using object-oriented programming and recursive algorithms
- Create and maintain Python scripts for residential Non-QM loan analytics
- Monitor loan trade performance using servicing remittance data with Python
- Compare pricing against competitors across multiple scenarios
- Prepare monthly profit-and-loss estimates of residential trading business
- Distribute monthly commentary on Home Price Appreciation to 1,000+ industry recipients
- Collaborate with technology team to update reports and optimize asset management

IMPAC MORTGAGE CORP. | CAPITAL MARKETS ANALYST

Sep 2020 – Aug 2022 | Irvine, CA

- Developed competitive pricing analysis reports with Python web-scraping methods
- Assessed pipeline health and presented visualizations with Power BI
- Optimized data acquisition for internal reporting using SQL

USC FOOTBALL | PLAYER PERSONNEL INTERN & ANALYTICS SPECIALIST

May 2019 – July 2020 | Los Angeles, CA

- Performed data collection and normalization on football recruits using Python and R
- 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

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

MONSTER ENERGY COMPANY |

NEW PRODUCT DEVELOPMENT / CORPORATE QUALITY ASSURANCE INTERN

May 2016 – Aug 2016 | Corona, CA

LIFE EXPERIENCE

Organized and Optimized my 10,000+ Baseball Card Collection 2021
Automated Lego Stock Inventory Checking Using R [Link](#) 2021
Analyzed Relationships Across Star Wars Songs Using Spotify API [Link](#) 2020
Conducted Master's Research on MLB Player Value [Link](#) 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 *The Bachelor* and *The Bachelorette* 2019-2021
Witnessed the Boston Red Sox Win the World Series at Dodger Stadium 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