

# Benjamin Borovinsky

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## EDUCATION

### University of Southern California

M.S., Financial Engineering  
May 2020 | Los Angeles, CA

### University of Southern California

B.S., Mechanical Engineering  
Minor, Sports Media Studies  
May 2019 | Los Angeles, CA

## LANGUAGES

Python R SQL L<sup>A</sup>T<sub>E</sub>X

## TECHNICAL SKILLS

### Data Analysis

Python, R, SQL, Microsoft Excel

### Presentation

Python, Microsoft PowerPoint, L<sup>A</sup>T<sub>E</sub>X

### DevOps

Git, GitHub, Bitbucket, Jira, Confluence

## INTERESTS

### Sports

#### Baseball

Major League Baseball  
SABR  
Fantasy Baseball  
Scoring Baseball Games  
Baseball Cards

#### Football

College Football  
Fantasy Football

### Hobbies

#### Fitness

Running  
Swimming  
Lifting

#### Pastimes

Coding  
FIRST Robotics  
LEGO  
Star Wars

## PROFESSIONAL EXPERIENCE

### SG Capital Partners ▶ Capital Markets Associate

Aug 2022 – present | Stamford, CT (Remote)

- Direct AI adoption strategy by overseeing workspace initiatives, showcasing generative AI applications, and leading firmwide engagement sessions
- Lead 1-on-1 strategic sessions with the CEO to develop and refine AI initiatives for senior leadership review and adoption
- Construct cashflow models for RMBS and whole loan pools in Python using object-oriented programming and recursive algorithms
- Facilitate residential loan origination by cultivating correspondent channel relationships with prospects and existing clients
- Distribute monthly commentary on Home Price Appreciation to 1,000+ industry recipients
- Monitor loan portfolio performance using servicing remittance data with Python
- Perform scenario analysis on loan pricing against competitors across multiple stress conditions
- Prepare monthly profit-and-loss estimates of residential mortgage trading book
- Craft loan eligibility and pricing rules in seller lock portal using structured query syntax

### Impac Mortgage Corp. ▶ Capital Markets Analyst

Sep 2020 – Aug 2022 | Irvine, CA

- Developed competitive pricing analysis reports with Python web-scraping methods
- Modernized and automated tasks by converting into scripts supported with version control
- Assessed pipeline health and presented visualizations with Power BI
- Optimized data acquisition for internal reporting using T-SQL
- Explore trends in mortgage market with multi-billion records of GSE data

## INTERNSHIPS

### USC Football ▶ Player Personnel Intern & Analytics Specialist

May 2019 – Jul 2020 | Los Angeles, CA

### USC Sports Information Office ▶ Student Intern

Aug 2016 – May 2020 | Los Angeles, CA

### Second Spectrum ▶ Sports Data Operator

Sep 2018 – Dec 2018 | Los Angeles, CA

### LenderLive Network ▶ Capital Markets Intern

Jun 2018 – Aug 2018 | Aliso Viejo, CA

### Oliver Wyman ▶ Actuarial Consulting Intern

Jun 2017 – Aug 2017 | Los Angeles, CA

### Monster Energy Company

▶ New Product Development / Corporate Quality Assurance Intern

May 2016 – Aug 2016 | Corona, CA

## PROJECTS

|   |              |
|---|--------------|
| Organized and Optimized my 10,000+ Baseball Card Collection   | 2021 – pres. |
| Built Python script to scrape flight data from Kayak and export results to Excel                        | 2024         |
| Parsed sheet music to track rhythm pacing for <i>The Star-Spangled Banner</i> <a href="#">Link</a>      | 2024         |
| Built customizable baseball scorecard in L <sup>A</sup> T <sub>E</sub> X for game scoring               | 2023         |
| Automated draft prep with a script that scrapes and merges fantasy football data                        | 2021         |
| Developed Analytics for my Blog on <i>The Bachelor</i> and <i>The Bachelorette</i> <a href="#">Link</a> | 2019 – 2021  |
| Developed RSelenium scraper to monitor LEGO set inventory across stores <a href="#">Link</a>            | 2021         |
| Analyzed Star Wars music with R/Shiny app using Spotify API <a href="#">Link</a>                        | 2020         |
| Conducted Master's Research on MLB Player Value <a href="#">Link</a>                                    | 2020         |
| Created a Football Recruiting Scraping Algorithm "worth \$1 Million"                                    | 2020         |
| Created a College Football Quarterback Statistic  | 2018         |