

# BENJAMIN BOROVINSKY

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## PROFESSIONAL EXPERIENCE

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### SG Capital Partners

Capital Markets Associate

August 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
- Serve as capital markets liaison for correspondent channel funding \$500M/month, advising on product eligibility and market color
- Author monthly Home Price Appreciation report distributed to 1,000+ industry recipients, synthesizing six data sources with automated data pulls and client-facing visuals via Mailchimp
- Built portfolio surveillance tracking prepayments, delinquencies, and loss severity across \$5B+ in managed assets. Cut single-account reporting from two days to 30 minutes, then scaled firm-wide via RiskSpan, reconciling against servicer remittance data
- 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

September 2020 – August 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

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### USC Football

Player Personnel Intern & Analytics Specialist

May 2019 – July 2020  
Los Angeles, CA

### USC Sports Information Office

Student Intern

August 2016 – May 2020  
Los Angeles, CA

### Second Spectrum

Sports Data Operator

September 2018 – December 2018  
Los Angeles, CA

### LenderLive Network

Capital Markets Intern

June 2018 – August 2018  
Aliso Viejo, CA

### Oliver Wyman

Actuarial Consulting Intern

June 2017 – August 2017  
Los Angeles, CA

### Monster Energy Company

New Product Development / Corporate Quality Assurance Intern

May 2016 – August 2016  
Corona, CA

## EDUCATION

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### University of Southern California

Master of Science in Financial Engineering

Los Angeles, CA

Bachelor of Science in Mechanical Engineering, Minor in Sports Media Studies

May 2020

May 2019

## PROJECTS

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- Organized and Optimized my 10,000+ Baseball Card Collection | *Python, R, ggplot2, MySQL, Excel* 2021 – present
- Built Python script to scrape flight data from Kayak and export results to Excel | *Python, Selenium, XlsxWriter* 2024
- Parsed sheet music to track rhythm pacing for *The Star-Spangled Banner* | *Python, Claude Code, Flask, JavaScript* 2024
- Built customizable baseball scorecard in  $\LaTeX$  for game scoring |  *$\LaTeX$ , TikZ* 2023
- Automated draft prep with a script that scrapes and merges fantasy football data | *Python, BeautifulSoup, XlsxWriter* 2021
- Developed Analytics for my Blog on *The Bachelor* and *The Bachelorette* | *R, ggplot2, rtweet, Medium* 2019 – 2021
- Developed RSelenium scraper to monitor LEGO set inventory across stores | *R, RSelenium, rvest, rmarkdown* 2021
- Analyzed Star Wars music with R/Shiny app using Spotify API | *R, Shiny, ggplot2, Spotify API* 2020
- Conducted Master's Research on MLB Player Value | *R, Sabermetrics,  $\LaTeX$ , Baseball Economics* 2020
- Created a Football Recruiting Scraping Algorithm “worth \$1 Million” | *R, rvest, ggplot2, purrr* 2020

## SKILLS

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**Technical:** Data Analysis, Credit Risk Modeling, Data Visualization, Version Control, AI Integration

**Software:** Python, R, SQL, Microsoft Excel, Microsoft PowerPoint,  $\LaTeX$ , Git, GitHub, Bitbucket, Jira, Confluence, C++, MATLAB

**AI Tools:** Claude Code, Codex, OpenAI API, Claude, ChatGPT, Gemini