

BENJAMIN BOROVINSKY

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PROFESSIONAL EXPERIENCE

SG Capital Partners

Capital Markets Associate

August 2022 – present

Stamford, CT

- 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
- Create and maintain Python scripts for residential Non-QM loan pool analytics
- 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 adjustments in seller lock portal using structured query syntax
- Collaborate with technology team to update reports and optimize asset management

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

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

USC Sports Information Office

Student Intern

August 2016 – May 2020

Los Angeles, CA

- Provided data assistance for Football, Women's Soccer, Baseball, and all other USC sports

Second Spectrum

Sports Data Operator

September 2018 – December 2018

Los Angeles, CA

LenderLive

Secondary Marketing 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

PROJECTS

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

EDUCATION

University of Southern California

Master of Science in Financial Engineering

Los Angeles, CA

May 2020

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

May 2019

SKILLS

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