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   LaTeX

TECHNICAL SKILLS

Data Analysis
Python, R, SQL, Microsoft Excel

Presentation
Python, Microsoft PowerPoint, LaTeX

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

WORK EXPERIENCE

SG Capital Partners ▶ Capital Markets Associate
Aug 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
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

USC Football ▶ Player Personnel Intern & Analytics Specialist
May 2019 – Jul 2020 | Los Angeles, CA

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

USC Sports Information Office ▶ Student Intern
Aug 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
Sep 2018 – Dec 2018 | Los Angeles, CA

LenderLive ▶ Secondary Marketing 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 *The Star-Spangled Banner* Link	2024
Built customizable baseball scorecard in LaTeX for game scoring	2023
Automated draft prep with a script that scrapes and merges fantasy football data	2021
Developed Analytics for my Blog on *The Bachelor* and *The Bachelorette* Link	2019 – 2021
Developed RSelenium scraper to monitor LEGO set inventory across stores Link	2021
Analyzed Star Wars music with R/Shiny app using Spotify API Link	2020
Conducted Master's Research on MLB Player Value Link	2020
Created a Football Recruiting Scraping Algorithm "worth $1 Million"	2020
Created a College Football Quarterback Statistic	2018