

# Tommy Bartecki

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## EDUCATION

**University of Southern California, Viterbi School of Engineering**, Los Angeles, CA May 2022  
**Bachelor of Science, Computer Science and Business Administration** GPA: 3.97

*Presidential Scholarship Recipient*

**Relevant Courses:** Software Engineering, Full-Stack Web Development, Principles of Software Development, Data Structures and Object Orientated Design, Algorithms and the Theory of Computing

**Honors:** Dean's List all semesters, 2018 U.S. Presidential Scholar Semifinalist, National Merit Finalist

## EXPERIENCE

**LSV Asset Management**, Chicago, IL

**Data Intern** May 2019—July 2019

- Managed SQL databases containing 800+ portfolios to identify discrepancies between portfolio managers and traders
- Compiled monthly data from MSCI indices since 1995 to inform future investment opportunities and give insight into slow growth periods while comparing with current market
- Amassed data concerning thousands of growing companies from Bloomberg services for potential new investments

## TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, C++, Python, SQL, PHP
- **Web Design:** HTML, CSS, JSP, AJAX, Servlets, XML, jQuery, Bootstrap, JSTL, React
- **Databases:** MySQL, SQLite, Salesforce, Firebase, JDBC, MS Excel
- **Technologies:** Git, Multi-Threading, Gherkin, Scrum, Maven, JUnit, JSON, RESTful APIs, Eclipse, Bloomberg Terminal

## PROJECTS

**Portfolio Management App** September 2020—Present

- Developing web application to monitor stock value and portfolio changes over time using agile scrum framework
- Providing ability to securely login to test new stocks and compare against benchmark with adjustable built-in graph

**Datify App** March 2020—April 2020

- Designed and built web application communicating with Spotify API and utilizing Firebase authentication, showing users' top five songs and artists from past month and song currently playing on account

**SalEats App** March 2020

- Created web application pulling from Yelp & Google APIs to implement restaurant searches with login functionality
- Gave users ability to sign in with Google account and add reservations to Google calendar on details page of restaurant

## LEADERSHIP

**USC Business Technology Group**, Los Angeles, CA

**President** May 2020—Present

- Leading six project teams developing tangible solutions with design thinking to industries severely impacted by COVID
- Increased organization size 40% and grew applications 20% despite online semester

**Director of Finance** April 2019—May 2020

- Oversaw allocation of \$3000 budget to five project teams developing product solutions to financial inequality regarding unbanked and underbanked households
- Managed expenses and fundraising to host campus-wide events with companies including Hulu, Apple, Snapchat

**Camp Kesem USC**, Los Angeles, CA

**Treasurer** July 2020—Present

- Coordinating weekly with Kesem Nationals to process revenue and expense reports to keep chapter informed
- Adapting \$120,000 budget with any necessary changes, especially to account for COVID related inconsistencies

**Development Coordinator** September 2018—July 2020

- Directed over 80 members in collaborative effort raising \$50,000 for 2020 camp in single day
- Executed fundraisers and organized events throughout year to reach chapter's \$100,000 goal to increase 2019 camp enrollment by 20% and ensure camp remains free to all wishing to attend

## INTERESTS

- Applied Data Science, Sustainability, and Artificial intelligence
- Competitive Swimming, Concerts, and Skydiving