Tommy Bartecki

bartecki@usc.edu | (630) 640-6532 | https://tommybartecki.tech

EDUCATION

University of Southern California, Viterbi School of Engineering, Los Angeles, CA   May 2022
Bachelor of Science, Computer Science and Business Administration   GPA: 3.98
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, Selenium, GitHub, JUnit, JSON, RESTful APIs, MAMP, Eclipse, Bloomberg Terminal

PROJECTS

Portfolio Management App   September 2020—December 2020
- Developed web application to monitor stock value and portfolio changes over time using agile scrum framework
- Provided 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