

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
Master of Science, Applied Data Science GPA: 4.0
Bachelor of Science, Computer Science and Business Administration GPA: 3.98
Relevant Courses: Foundations of Data Management, Machine Learning for Data Science, Artificial Intelligence, Software Engineering, Full-Stack Web Development, Principles of Software Development, Data Structures/Object Orientated Design
Honors: Presidential Scholarship Recipient, Dean's List all semesters, 2018 U.S. Presidential Scholar Semifinalist

EXPERIENCE

Medtronic, Los Angeles, CA
Contingent Software Technical Solutions Specialist September 2021—Present
• Spearhead project to consolidate thousands of past data files into new Mendix system for better access/documentation
Software Engineering Intern June 2021—August 2021
• Led project team of 8 to build automated Blocked Product Form for Regulatory Affairs that reduced noncompliance risk, decreased process duration 50%, and boosted user satisfaction over 60%
• Achieved Mendix Rapid Developer Certification to design and develop solution to inefficient Blocked Product Form
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 since 1995 to inform future investment opportunities and give insight into slow growth periods

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, SQL, NoSQL, PHP, C++
- **Web Design:** Mendix, XML, Vue, HTML, CSS, JSP, AJAX, Servlets, jQuery, Bootstrap, JSTL, React
- **Databases:** MySQL, Firebase, MongoDB, SQLite, Salesforce, JDBC, MS Excel
- **Technologies:** Hadoop, Git, EC2, Spark, Gherkin, Scrum, Maven, Selenium, GitHub, JUnit, JSON, REST APIs

PROJECTS

Twitter, Climate Change, and Machine Learning February 2021—May 2021
• Hydrated over 5 million Tweets mentioning climate change to track frequency relative to major climatic world events
• Argued machine learning necessary to combat climate change, especially in vulnerable areas, based on data collected
AQ IXperience App September 2020—December 2020
• Built full-stack web application investigating relation between quality-of-life measures and air quality index across cities
• Tracked trends in AQI and QOL data over time to analyze fluctuations and explore potential connection
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

LEADERSHIP

Camp Kesem at University of Southern California, Los Angeles, CA
Executive Director August 2021—Present
• Leading executive team of 16 across operations, marketing, PR, fundraising, outreach, internal training, event planning
• Collaborating with Camp Kesem Nationals to implement revised policies and steer chapter back to in-person camp
Treasurer & Development Coordinator September 2018—August 2021
• Overhauled \$120,000 2021 budget for COVID-related changes and allocated amongst executive team of 18
• Directed over 80 members in collaborative effort raising \$50,000 for 2020 camp in single day and organized events throughout 2018/2019 to reach chapter's \$100,000 goal to increase 2019 camp enrollment by over 25%
USC Business Technology Group, Los Angeles, CA
President May 2020—January 2021
• Led 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 households and managed expenses to host campus-wide events with companies such as Hulu, Apple, Snapchat

INTERESTS

- Sustainability, Artificial Intelligence, Concerts/Music Festivals, Board Games, Competitive Swimming, and Skydiving