

Jackson T. McKinley

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PROFESSIONAL SUMMARY

Recent college graduate with B.S. in Mathematics, ready to work hard and learn quickly. Previous internship experience in web app development and data science focused projects, with proficiency in object-oriented programming languages and artificial intelligence tools. Previously involved in event coordination spaces with a passion for creative direction and building on a large scale. Avid and enthusiastic to learn from industry and grow my skillset as a problem-solver. Proud Eagle Scout and USC Alumnus

EDUCATION

University of Southern California, B.S. Applied and Computational Mathematics May 2025

Relevant Coursework: Machine Learning, Statistics, Probability, Numerical Methods, Linear Algebra, Calculus, Mechanics, Differential Equations, Combinatorics, Number Theory, Real Analysis, Problem Solving

WORK EXPERIENCE

Pfizer Inc, Data Science Intern May 2024 - August 2024

- Collaborated with the Research and Development team in migration of web applications from JupyterHub to Datalu platform, streamlining credentials verification and modernizing user interfaces.
- Developed MoKa tool in conjunction with Pfizer compound database to model and predict ionizable sites, calculate pKa and pH, and identify stable tautomers for all documented compounds.
- Wrote internal documentation for experimental python front-end app development process

University of Southern California, Tutor August 2022 - May 2025

- Tutored undergraduate students in mathematics and physics topics across 15 distinct courses at USC
- Guided exam prep for over 40 students in Calculus, Classical Mechanics, Linear Algebra, Statistics

LEADERSHIP ACTIVITIES

USC Society 53, Vice President of Special Events April 2024 - May 2025

- Supervised social coordination on 8 person executive board governing Student Alumni Association
- Developed over 15 signature events for student engagement with local USC Alumni in Los Angeles

USC Varsity Sailing, Social Chair August 2022 - May 2025

- Harbor Cup Champion 2025, runner-up 2024, foredeck crew and mast man
- Competed in over 30 intercollegiate varsity sailing regattas, in Catalina 37, E420, and FJ class boats
- Organized social gatherings and networking events for team of 20 members, in PCCSC conference

Phi Sigma Kappa, Creative Director January 2023 - January 2024

- Managed \$200,000 annual social committee budget and oversaw a committee of 25 members
- Established and maintained over 20 brand deals and sponsorships with product distribution
- Eliminated single-use plastics and styrofoam from house through “green kitchen” initiatives

SKILLS/INTERESTS

Software: Python, R, C++, Linux, SQL, MATLAB, Fusion, Power BI, Tableau, Microsoft Office Suite, Docker, Tensorflow, Scikit-learn, CuPy, Pytorch, Pandas, Cursor, Chat-GPT, Claude, Cura, LaTeX, JupyterHub

Awards: BSA Eagle Scout, CT-TSA Structural Engineering and Design Challenge (2019, 2022)

USC Extracurriculars: SOA Student Research Challenge, Dornsife Student Ambassador, Math Club

Hobbies: 3D Printing, Chess, Gardening, Mahjong, Pottery, RaspberryPi/Arduino, Sailing, Tea, Woodworking