

Ryan Moreno

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EDUCATION

University of Wisconsin-Madison <i>Masters/Ph.D. in Computer Science</i>	<i>Expected: May 2026</i> 4.0 GPA
University of Southern California <i>Bachelor of Science: Major in Computer Science, Minor in English</i>	May 2020 3.99 GPA
<ul style="list-style-type: none">Trustee Scholar (Full-Tuition Scholarship), National Merit ScholarWVT Rusch Engineering Honors Program, Viterbi Fellow, Dean's List	

RESEARCH

UW-Madison Lang Lab, Research Assistantship	Feb 2023 - Present
<ul style="list-style-type: none">Analyze epigenetic datasets and communicate findings through visualizationsFocus is on gene regulatory mechanisms affecting medication resistance in ovarian cancer	
UW-Madison Badger Lab, Researcher	Jan 2021 - May 2021
<ul style="list-style-type: none">Developed a ROS-based application to drive our two-axis adaptable ankle prosthetic	
Cross-Institutional CS Education Research Team, Researcher	Oct 2020 - May 2021
<ul style="list-style-type: none">Interviewed undergrad CS students to determine misconceptions in dynamic programming<i>Published:</i> 10.1080/08993408.2022.2079865	
USC INK Lab, Merit Research Fellow, Undergraduate Honors Thesis	Sep 2019 - May 2020
<ul style="list-style-type: none">Implemented distantly-supervised machine learning using human-annotated cue phrases<i>Published:</i> 10.18653/v1/2020.acl-main.752 and 10.18653/v1/2021.emnlp-main.302	

INDUSTRY EXPERIENCE

Madison Emergency Physicians, Scribe	May 2023 - Present
<ul style="list-style-type: none">Shadow ED physicians and assist in writing their documentation of patient care	
MMNTS Health Applications, Mid-level Developer	Mar 2022 - Sep 2023
<ul style="list-style-type: none">Built an iOS application that makes health suggestions based on users' biometric dataDesigned and built a backend application using a .NET framework and Azure toolsMentored a junior developer, teaching design patterns and tools	
Microsoft Quantum, Research Intern	Aug 2021 - Sep 2021
<ul style="list-style-type: none">Improved debugging capabilities for Q# (Microsoft's Quantum language)Leveraged LLVM tools to emit debug information during Q# compilation	
Microsoft, Software Development Intern	May 2019 - Aug 2019
<ul style="list-style-type: none">Integrated Office docs into Whiteboard; spanned software dev and product managementCreated code actions for Q# (Microsoft's Quantum language) within VS Code	
Facebook, Software Development Intern	May 2018 - Jul 2018
<ul style="list-style-type: none">Implemented a new approach to app events within Facebook's SDK; full stack development	

TEACHING AND SERVICE

St. Mary's Hospital, Nursing Unit Volunteer	Aug 2022 - May 2023
<ul style="list-style-type: none">Communicated and fulfilled patient requests, restocked medical supplies, took phone calls	
UW-Madison COMPSCI 577: Intro to Algorithms, Teaching Assistant and Head TA and USC Viterbi CSCI 103, 170, and 270, Undergraduate TA	Aug 2020- May 2021 Aug 2017 - Aug 2020
<ul style="list-style-type: none">Taught Undergrad Algorithms, Discrete Math, and Intro to ProgrammingTaught weekly discussion sections, developed course content and supplemental materials, managed student progress, directed undergrad TAs, held office hours, graded coursework	
Madison School and Community Recreation, Soccer Coach and Referee	Sep 2021 - Oct 2021
<ul style="list-style-type: none">Coached a coed 4th and 5th grade soccer team; directed games for children under six	
USC Joint Edu. Program, Project 32, and Troy Camp, Classroom Assistant and Counselor	Aug 2016 - May 2020
<ul style="list-style-type: none">Tutored and led mentoring programs for elementary and high school students	

SKILLS

<ul style="list-style-type: none">Scientific and analytical writing, French (intermediate)Programming (C#, Python, Typescript, C++, Java)	<ul style="list-style-type: none">Wilderness First Responder (includes CPR/AED)CAD, woodworking, machining (<i>intermediate</i>)
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AWARDS

<ul style="list-style-type: none">Renaissance Scholar Distinction & Prize Recipient (USC)Computer Science Outstanding Student Award (USC)Viterbi Award for Best Research Paper: 1st Place (USC)	<ul style="list-style-type: none">Valedictorian Finalist (USC)Discovery Scholar Distinction & Prize Finalist (USC)Viterbi Award for Best Analytical Essay: 3rd Place (USC)
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INTERESTS

Hockey (*Madison Gay Hockey Assoc. & Team Trans*), Backpacking (*former guide*), Creative writing (*published*), Piano, Soccer