



Curriculum Vitae

Personal

Name	Jason Weber
Address	Irvine, CA
Phone number	(503) 922-9180
Email	jasonweber99@gmail.com

Education and Qualifications

Aug 2023 - Present	<ul style="list-style-type: none">PhD in Computer Science <i>University of California, Irvine, Irvine</i> <i>Advisors: Jennifer Wong-Ma and Sergio Gago-Masague</i> <i>Research Focus: Artificial Intelligence in CS Education</i>
Sep 2021 - Jun 2023	<ul style="list-style-type: none">MS in Computer Science <i>Oregon State University, Corvallis</i> <i>Advisor: Jennifer Parham-Mocello</i> <i>Research Group: Computer Science Education</i> <i>Thesis: <u>Staying Consistent: Discipline-Specific Language Used in Introductory CS Curricula</u></i>
Sep 2022 - Jun 2023	<ul style="list-style-type: none">Graduate Certificate in College and Undergraduate Teaching <i>Oregon State University, Corvallis</i> Capstone Internship: Created and administered multiple active learning assignments in ENGR 103, an introductory programming class required for all engineering majors at OSU. Implementation justified by referencing contemporary learning theories, like Andragogy and Cognitivism.
Sep 2018 - Jun 2021	<ul style="list-style-type: none">BS in Computer Science/Mathematics <i>Western Oregon University, Monmouth</i> <i>summa cum laude</i>

Publications

- Weber, J. L.**, Parham-Mocello, J. (2023 October). Staying Consistent: Discipline-Specific Language Used in a Well-known AP CS A Curriculum. *Frontiers in Education (FIE 2023)*. (primary contributor, wrote paper, analyzed data)
- Parham-Mocello, J., Erwig, M., Niess, M., **Weber, J.**, Barrett, G., and Smith, M. (2023 March). Putting Computing on the Table: Using Physical Games to Teach Computer Science. *Special Interest Group in Computer Science Education (SIGCSE 2023)*. (~30% acceptance rate) (co-developed coding guide, co-analyzed data, co-wrote the results section of paper)
- Parham-Mocello, J., Erwig, M., Niess, M., Nelson, A., **Weber, J.**, and Barrett, G. (2022 October). Using a Text-Based, Functional Board Game Language to Teach Middle School Programming. *Frontiers in Education (FIE 2022)*. (co-developed coding guide, co-analyzed data, co-wrote the results section of paper)

Work/Leadership Experience

Sep 2023 - Present	<ul style="list-style-type: none">Teaching Assistant <i>University of California, Irvine, Irvine, CA</i>
Jan 2023 - Jun 2023	<ul style="list-style-type: none">Graduate Teaching Assistant <i>Oregon State University, Corvallis</i><ul style="list-style-type: none">Assistant to various instructors in ENGR 102 (a required Excel class for 1st year engineering students) and ENGR 103 (a required CS1 class for 1st year engineering students).

- Led two studio sections of ENGR 102, lecturing for 15 minutes and facilitating effective group work for the remaining hour and a half.
- Led all four studio sections of ENGR 103, frequently designing new studio assignments.
- Collaborated with instructor and the rest of instructing team to revise studio slides and assignments to ensure student tasks were clear and informative.

Dec 2021 - Dec 2022

• **Graduate Research Assistant**

Oregon State University, Corvallis

- Assistant to Dr Jennifer Parham-Mocello
- Led a small team of undergraduate researchers developing and revising curriculum for active 6th and 7th grade computer science classes taught at a local middle school under the Childsplay approach, funded by an NSF CS for All grant.
- Taught and demonstrated effective data analysis quantitative and qualitative techniques and Agile project management to undergraduates in order to help them develop professional skills.
- Interviewed prospective undergraduate researchers to ensure that they were qualified and understood the type of work they would be doing.
- Wrote an (accepted) REU supplement proposal to hire an undergraduate researcher to join our research team for a summer.

Sep 2021 - Dec 2021

• **Graduate Teaching Assistant**

Oregon State University, Corvallis

- Assistant to Dr Eduardo Cotilla-Sanchez's new ENGR 100 course.
- Led two studio sections, lecturing for 15 minutes and facilitating effective group work for the remaining hour and a half.
- Collaborated with Dr Eduardo Cotilla-Sanchez and the rest of his instructing team to revise studio slides and assignments to ensure studio tasks were clear and informative.

Sep 2020 - Jun 2021

• **Club President**

Western Oregon University Mathematics Club, Monmouth

- Held weekly club meetings over Zoom to discuss upcoming club events and to provide peers with a respite from the stresses of college and the Covid-19 pandemic.
- Organized the creation, purchase, and distribution of club merchandise to club members and interested faculty.
- Assisted in the planning and execution of the annual Estimathon event, including reaching out to internal university sponsors to fund a prize pool for the winning teams.

Sep 2019 - Jun 2021

• **Mathematics Grader**

Western Oregon University, Monmouth

- Worked with a variety of professors and instructors to grade homework assignments.
- Endeavored to understand student's mistakes and leave detailed feedback so that they could easily identify their errors.
- Identified homework problems that were repeatedly incorrect and reported them to professors to help them tailor future lectures and assignments to address deficiencies in student progress.

Sep 2018 - Jun 2021

• **Computer Science and Mathematics Tutor**

Self Employed, Monmouth

- Tutored peers at and below my year in computer science and mathematics.
- Created sample problems and demonstrated solutions in order to give students a step-by-step guide without giving them homework answers.
- Reviewed old homework assignments to assist student in identifying and understanding their deficiencies in knowledge of course content.