

CURRICULUM VITAE

James Weichert

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Blacksburg, VA

EDUCATION

Virginia Tech - *M.S. in Computer Science*

2023 - 2025 | Blacksburg, VA | Advised by [Dr. Hoda Eldardiry](#)

University of California, Berkeley - *B.A. in Computer Science and B.A. in Data Science*

2019 - 2023 | Berkeley, CA

TEACHING

Virginia Tech Graduate TA

CS 4664: Data-Centric Computing Capstone

SPRING 2025

TA for senior “ML” capstone class at Virginia Tech. Responsible for creating and grading assignments, leading approximately 30% of class lectures, and supporting students in project ideation and development.

Enrollment: 20 Students

CS 5805: Machine Learning I (Graduate Course)

FALL 2024

Lead TA for the introductory graduate machine learning course at Virginia Tech. Work closely with the faculty instructor to organize the structure of the course and revise assignments. Conduct two hours of office hours per week and manage assignment grading. At the end of the semester, I will pilot a two-lecture ‘AI policy module’ as part of my thesis research on student attitudes and competencies with respect to AI ethics and policy.

Enrollment: 50 Students

CS 5806: Machine Learning II (Graduate Course)

SPRING 2024

TA for this 20-student advanced machine learning graduate course at Virginia Tech. Responsible for holding office hours, answering student questions online, and grading assignments.

Enrollment: 20 Students

CS 1114: Introduction to Software Design

FALL 2023

TA for the CS 1-equivalent (taught in Java) at Virginia Tech. Responsible for leading two 30-student lab sections per week along with an undergraduate TA, conducting office hours and assisting in grading homework assignments.

Enrollment: 500 Students

University of California, Berkeley TA and Instructor

[Data 6: Introduction to Computational Thinking with Data](#)

SUMMER 2022 & 2023

Instructor for Data 6: *Introduction to Computational Thinking with Data*, an introductory data science course taught primarily during the summer term to incoming first-year students. The course content of Data 6 closely mirrors the data science techniques and principles taught in Data 8, but also expands on fundamental Python concepts not covered in Data 8. Data 6 also places a particular emphasis on the application of data and computing skills to social science domains, and interweaves data ethics and social contexts pedagogy into the technical curriculum. Worked closely with two faculty to revise the course materials, including lectures, labs, homeworks, discussion worksheets, quizzes, and the final exam. Regular duties included teaching in-person lectures and labs, organizing TA office hours and holding weekly ‘coffee chats’, drafting exams, supervising two TAs and two tutors, and managing course administration.

Enrollment: 60 Students

[Data 8: Foundations of Data Science](#)

SPRING 2022 - SPRING 2023

Lead Undergraduate Student Instructor (TA) responsible for course content for Data 8, UC Berkeley’s 2,000-student introductory data science course during AY 22-23. As “Content Lead” TA, was responsible for content development (creating, modifying and releasing lab, homework, and project assignments) and managing a 5-person team of TAs, in addition to facilitating a 500-student hybrid discussion section (“mega lab”), conducting office hours, responding to students’ questions online, grading assignments, and helping to write exams. Created the current look of the Data 8 (and Data 6) websites.

Undergraduate Student Instructor (TA) during Spring 2022, responsible for facilitating one lab and one discussion section per week (30-40 students), holding office hours, responding to students’ conceptual questions online, grading assignments, and proctoring exams.

Enrollment: 2,000 Students

RESEARCH

Research Focus

My research focuses on the ethics and regulation of artificial intelligence, as well as CS and AI education. I am a graduate student researcher in the Virginia Tech Machine Learning Lab and am the primary graduate student assisting the principal investigators of a \$350,000 NSF grant to investigate AI ethics education. In this role I am the project lead and lead author for multiple constituent research papers.

Publications

- **J. Weichert**, D. Kim, Q. Zhu, and H. Eldardiry (2024). [“Do I Have to Take This Class?”: A Review of Ethics Requirements in Computer Science Curricula.”](#) *ACM Technical Symposium on Computer Science Education (SIGCSE) 2025*. Recently accepted.
- **J. Weichert**, Q. Zhu, D. Kim, and H. Eldardiry (2024). “Perceptions of AI Ethics Policies Among Scientists and Engineers in Policy-Related Roles: An Exploratory Investigation,” *Digital Society*. Recently accepted.
- **J. Weichert** and H. Eldardiry (2024). [“Computer Science Student Attitudes Towards AI Ethics and Policy: A Preliminary Investigation.”](#) *IEEE International Symposium on Technology and Society (ISTAS) 2024*.

SERVICE

Leadership

2021 - 2023	Academic Affairs Vice President , <i>Associated Students of the University of California</i>
2021 - 2023	Co-Chair , <i>UC Berkeley Chancellor's Advisory Committee on Student Services and Fees</i>
2022	University Affairs Chair , <i>University of California Student Association</i>
2020 - 2022	Co-Chair , <i>UC Berkeley Student Fee Referenda Committee</i>
2021 - 2022	Academic Affairs Officer , <i>University of California Student Association</i>

Committee Service

2022 - 2023	University of California Committee on Educational Policy
2022 - 2023	University of California Workgroup on the Future of UG Education
2021 - 2023	UC Berkeley Academic Senate Undergraduate Council (Ex Officio)
2021 - 2023	UC Berkeley Chancellor's Advisory Committee on Student Services and Fees (Co-Chair)
2020 - 2023	UC Berkeley New Building Academic Program Committee (various new buildings)
2020 - 2023	UC Berkeley Research, Teaching and Learning Advisory Group
2020 - 2022	UC Berkeley Student Fee Referenda Committee (Co-Chair)
2021 - 2022	University of California Academic Planning Council
2021 - 2022	UC Berkeley 2021 Executive Vice Chancellor and Provost Search Committee
2020 - 2021	UC Berkeley Academic Senate Committee on Admissions, Enrollment and Preparatory Education

Awards

2023	UC Berkeley Kenneth Priestley Award
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OTHER EXPERIENCE

2021	Summer Intern, California Department of Education (Cal-in-Sacramento Fellow)
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