

Omar Ibrahim

CURRICULUM VITAE

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omaryibrahim.me

EDUCATION

- | | |
|---|------|
| M.S. Computer Science, University of Washington | 2023 |
| <ul style="list-style-type: none">Thesis: <i>Spoof-It: Correcting incorrect proofs as a method to learn proof-writing</i>Advised by Lauren Bricker, Robbie Weber | |
| B.S. Computer Science, University of Washington | 2021 |
| <ul style="list-style-type: none">Minor in Informatics | |

TEACHING

University of Illinois Chicago

Lecturer

CS 301: Languages & Automata

SPRING '24, FALL '23

University of Washington

Instructional Lecturer

CSE 190Y: CSE 12X Direct Admit Workshop

[AUTUMN '22](#)

CSE 390Z: Mathematics for Computation Workshop

[SPRING '22](#), 22WINTER, AUTUMN '21

CSE 142: Computer Programming I

[SUMMER '21](#)

Teaching Assistant

CSE 142: Computer Programming I

[22su](#), 21sp, 20au, 20wi, 19au, 19sp, 18au, 18sp

- Head TA (20au, 21sp)
- Lead TA (19sp, 19au, 20wi)

CSE 143: Computer Programming II

[22wi](#), 19wi

CSE 341: Programming Languages

[20sp](#)

EXPERIENCE

- | | |
|--|----------------|
| University of Illinois Chicago, Lecturer | 2023 – Present |
| University of Washington, Instructional Lecturer | 2021 – 2023 |
| University of Washington, Teaching Assistant | 2018 – 2022 |
| Amazon Web Services, Software Development Engineer Intern | 2020 |
| Citrix Systems, Software Development Intern | 2019 |
| Washington River Protection Solutions, Undergrad Intern – Technical | 2018 |

RESEARCH/TALKS

- Spoof-It: Correcting incorrect proofs as a method to learn proof-writing. M.S. Thesis, University of Washington, expected 2022. Pre-print forthcoming.
- Guest lecture on "What is a Computer?", University of Washington CSE 142. 2021, 2022.
- Guest lecture on "Programming Languages", University of Washington CSE 142. 2021.

VOLUNTEER SERVICE

Mentor, *STEM League* | 2020

- Mentored middle- and high-school students through an 8-week program learning introductory web and data programming skills with HTML, CSS, JS, and Python

Volunteer Tutor, *East African Community Services* | 2017

- Tutored under-served K-5 students in South Seattle weekly
- Worked with students to build skills and comprehension in math, reading, and writing
- Worked with a representative from the Boy Scouts to provide learning and teamwork exercises for the kids

OTHER RESEARCH EXPERIENCE

Taskar Center for Accessible Technology, University of Washington | 2021

- Advised by Dr. Anat Capsi
- Conducted research on non-visual localization communication techniques
- Wrote policies and plans for research/testing

Pacific Northwest National Laboratory | 2016 - 2017

- Tested new mass spectrometry data analysis application developed to ensure reproducible and accurate measurements

