

# OLIVER ALONZO

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## EDUCATION

**Rochester Institute of Technology**, Rochester, New York GPA: 3.97  
*Ph.D. Computing and Information Sciences*, Expected 2023  
Advisor: Matt Huenerfauth, Ph.D.

**Creighton University**, Omaha, Nebraska GPA: 4.00  
*B.S. Computer Science & Informatics*, May 2018  
Minors: Graphic Design & Media, Musical Theatre  
Honors: Summa Cum Laude, Outstanding Senior College of Arts and Sciences  
Honor Societies: Phi Beta Kappa, Alpha Sigma Nu, Omicron Delta Kappa

## RESEARCH EXPERIENCE

**Rochester Institute of Technology**, Rochester, New York August 2018 – Present  
*Graduate Research Assistant*

- Conduct research on Human Computer Interaction and Accessibility at the Center for Accessibility and Inclusion Research (CAIR) Lab
- Investigate the use of text simplification to provide reading assistance for Deaf and Hard-of-Hearing computing professionals

**Facebook Inc.**, Menlo Park, California May 2020 – August 2020  
*Intern – UX Researcher*

- Conducted a literature review to inform the design of prototypes to test in a user study, which were developed in collaboration with a cross-functional team which included researchers, a product designer and content strategists
- Designed and conducted a prototype testing study, presenting and distributing findings to key stakeholders in the team, and to other teams who could benefit from my findings
- Recommended actionable product changes and future research to measure the impact of my recommendations as well as to expand my findings

## CONFERENCE PUBLICATIONS

- [C.4] **Oliver Alonzo**, Jessica Trussell, Becca Dingman, Matt Huenerfauth. 2021 (to appear). "Comparison of Methods for Evaluating Complexity of Simplified Texts among Deaf and Hard-of-Hearing Adults at Different Literacy Levels." In *Proceedings of the 2021 ACM Conference on Human Factors in Computing Systems (CHI'21)*. ACM, New York, NY, USA. *Conference acceptance rate of 26%*
- [C.3] **Oliver Alonzo**, Lisa Elliot, Becca Dingman, Matt Huenerfauth. 2020. "Reading Experiences and Interest in Reading-Assistance Tools Among Deaf and Hard-of-Hearing Computing Professionals." In *Proceedings of the 22nd International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '20)*. ACM, New York, NY, USA. *Conference acceptance rate of 28%*
- [C.2] **Oliver Alonzo**, Matthew Seita, Abraham Glasser, Matt Huenerfauth. 2020. "Automatic Text Simplification Tools for Deaf and Hard of Hearing Adults: Benefits of Lexical Simplification and Providing Users with Autonomy." In *Proceedings of the 2020 ACM Conference on Human Factors in Computing Systems (CHI'20)*. ACM, New York, NY, USA. *Conference acceptance rate of 25%*
- [C.1] **Oliver Alonzo**, Abraham Glasser and Matt Huenerfauth. 2019. "Effect of Automatic Sign Recognition Performance on the Usability of Video-Based Search Interfaces for Sign Language Dictionaries." In *Proceedings of the 21st International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '19)*. ACM, New York, NY, USA. *Conference acceptance rate of 26%*

## BOOK CHAPTERS

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- [B.1] Peter Yeung, **Oliver Alonzo**, Matt Huenerfauth. 2020. "Interest and Requirements for Sound- Awareness Technologies among Deaf and Hard-of-Hearing Users of Assistive Listening Devices." *Universal Access in Human-Computer Interaction. HCII 2020. Lecture Notes in Computer Science*. Springer, Cham. (Peer-reviewed conference paper, published as book chapter)

## POSTER PRESENTATIONS

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- [P.4] **Oliver Alonzo**, Matthew Seita, Abraham Glasser, Matt Huenerfauth. 2019. Adapting Automatic Text-Simplification Tools to Provide Reading Assistance for People who are Deaf or Hard of Hearing in Computing Fields. RIT Graduate Education Week Showcase, Poster Session, November 2019.
- [P.3] **Oliver Alonzo**. Reading-Assistance Tools for Self-Directed Learning by Deaf and Hard-of-Hearing Computing Workers. Computing Research Association (CRA) Grad Cohort Workshop for Underrepresented Minorities + Persons with Disabilities (URMD), Poster Session, March 2019.
- [P.2] **Oliver Alonzo**, Abraham Glasser, Peter Yeung, Matt Huenerfauth. 2018. Investigating Reading-Assistance Tools for Self-Directed Learning by Deaf and Hard-of-Hearing Computing Workers. RIT Graduate Education Week Showcase, Poster Session, November 2018.
- [P.1] **Oliver Alonzo**, Abraham Glasser, Peter Yeung, Matt Huenerfauth. 2018. Investigating Reading-Assistance Tools for Self-Directed Learning by Deaf and Hard-of-Hearing Computing Workers. AI@GCCIS: Golisano College Research & Innovation Showcase, Poster Session, October 2019.

## TEACHING EXPERIENCE

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**Rochester Institute of Technology**, Rochester, NY January 2021 – May 2021  
*Instructor – Foundations of Human-Computer Interaction*

**Creighton University**, Omaha, Nebraska January 2018 – May 2018  
*Teaching Apprentice – Mobile App Development*

## SCHOLARSHIPS

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**Ph.D. Merit Scholarship - Rochester Institute of Technology** August 2018  
Financial Support for Ph.D. studies

**Leonardo Da Vinci Merit Scholarship - Creighton University** August 2014  
Full tuition scholarship for undergraduate studies awarded to one student graduating from the *Instituto de Desarrollo Integral Leonardo Da Vinci* in Santiago, Dominican Republic

## TRAVEL GRANTS

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**Computing Research Association (CRA)** March 2020  
Grad Cohort Workshop for Underrepresented Minorities + Persons with Disabilities (URMD)  
Austin, TX

**Computing Research Association (CRA)** March 2019  
Grad Cohort Workshop for Underrepresented Minorities + Persons with Disabilities (URMD)  
Waikoloa, HI

## PROFESSIONAL SERVICE

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**ACM Conference On Computer-Supported Cooperative Work And Social Computing** 2021  
*Reviewer – Full Paper*

**ACM Conference on Human Factors in Computing Systems (CHI)** 2021  
*Reviewer – Late Breaking Work*

**ACM SIGCHI's Annual Symposium on Computer-Human Interaction in Play (CHI Play)** 2019  
*Reviewer – Full Paper*

## UNIVERSITY SERVICE

**CAIR Lab – Rochester Institute of Technology, Rochester, NY** April 2019 – May 2020  
*Communications Chair*

**Residential Life – Creighton University, Omaha Nebraska** August 2016 – May 2018  
*Resident Advisor*

## ADDITIONAL PROFESSIONAL EXPERIENCE

**Intellisys D. Corp., Santiago, Dominican Republic** May 2017 – July 2017  
*Intern – Front End Developer*

- Developed a customized theme for Norisol Ferrari's online store using Shopify, helping the store increase sales by having an established online presence
- Set up an automated testing framework for a web application
- Served as a QA tester in a team working on an intranet, reducing friction between development and user testing

**DoIT – Creighton University, Omaha, Nebraska** March 2015 – May 2016  
*Intern – Research and Development Lab*

- Assisted in research on new technologies that can have an impact in classrooms across campus
- Developed web application for immersive display of 3D images using Unity, reducing the risk of bringing nursing students into a delicate hospital room
- Assisted in the creation of a 3D banner for display at laboratory, promoting the launching of the new space

## GRADUATE-LEVEL COURSES

CISC 807 – <b>Teaching Skills Workshop</b> , Dr. Yin Pan	Fall 2019
CISC 810 – <b>Research Foundations</b> , Dr. Pengcheng Shi	Fall 2018
CISC 820 – <b>Quantitative Foundations</b> , Dr. Linwei Wang	Fall 2018
CISC 830 – <b>Cyberinfrastructure Foundations</b> , Dr. Minseok Kwon	Spring 2019
CISC 849 – <b>Human Behavior Understanding from Large-scale Data</b> , Dr. Yu Kong	Fall 2019
CISC 863 – <b>Statistical Machine Learning</b> , Dr. Rui Li	Spring 2019
ENGL 681 – <b>Intro to Natural Language Processing</b> , Dr. Cecilia Ovesdotter Alm	Spring 2019
HCIN 600 – <b>Research Methods in HCI</b> , Michael McQuaid	Fall 2018
ISTE 798 – <b>Qualitative Research Methods</b> , Kristen Shinohara	Spring 2020
MLAS 202 – <b>Beginning ASL II</b> , Terri Worek	Spring 2020
SWEN 610 – <b>Foundations of Software Engineering</b> , Dr. A. Masaud-Wahaishi	Fall 2019

## ADDITIONAL SKILLS

**Technical** – Front-end development (HTML, CSS, JavaScript), Java, Swift, PHP, Python  
**Languages** – English (Professional), Spanish (Native), Portuguese (Conversational), American Sign Language (Conversational)