

Alfonso “Alfie” Aguilar Vidrio

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SUMMARY

Leader in User and Learning Experience, creating equitable and impactful design solutions for healthcare and education.
Research Interests: mHealth, infectious disease treatment, education technology, human-centered design, human-computer interaction, equity in education and healthcare, co-design, accessibility

EDUCATION

University of Washington, Seattle (WA)

2019 – 2023

Bachelor of Science in Human Centered Design & Engineering
Concentration in Human-Computer Interaction (HCI)

Harvard University, Cambridge (MA)

2025 – 2026 (Expected)

Graduate Certificate in Learning Design and Technology
Courses: Introduction into Instructional Design; Designing AI-integrated Learning Experiences;
Capstone in Instructional Design; Agile Project Management

PROFESSIONAL EXPERIENCE

Senior Learning Experience (LX) Designer

10/2024 – Present

Pearson (Seattle, WA)

- Bridged talks between content, design, and production (50+ team) to execute 100+ eLearning instructional modules.
- Created innovative, interactive, and scalable digital educational toolkits for driving engagement and content retention.
- Collaborated with the development team to design early-stage wireframing, prototyping, flow-charts, and concept UIs..
- Self-managed all LX deliverables using learning theories; executing a product that received 89% approval from students.

Senior UX Designer & Researcher

01/2020 – 09/2024

University of Washington, School of Nursing (Seattle, WA)

- Managed a design team of 5-8 researchers to execute weekly design and research deliverables for NIAID Research.
- Lead creation 30+ design artifacts to guide development of SaSS healthcare professionals using a user-centric approach.
- Simplified and distilled complex processes into intuitive and elegant UI/UX that successfully cured over 500 TB patients.

Lead UX Researcher

05/2022 – 04/2024

University of Washington, School of Medicine (Seattle, WA)

- Successfully developed a mobile app to help patients access HIV treatment, prevention, and educational services.
- Identified and addressed over 32 barriers using HCD principles and resulted in a high usability rate of 91%.
- Conducted user interviews, focus groups, and usability tests to identify new opportunities and important insights.
- Enhanced UX by leveraging Agile Project Management skills and leading a team of 5-7 designers and researchers.

UX Designer & Researcher

05/2022 – 04/2024

IxDA Seattle (Seattle, WA)

- Led end-to-end UX design and research process, from initial research and concept ideation to Hi-Fi digital prototyping, flexible high-fidelity design system, branding style guide, and visual design language, and usability testing.
- Conducted research across the product lifecycle to understand user needs and pain points to inform design decisions.
- Produced final usability scores of 98%, satisfaction scores of 95%, and key-task completion rate of 92%.

UX Researcher

09/2020 – 06/2021

Brotman Baty Institute (Seattle, WA)

- Analyzed datasets and designed a usability test to identify procedural pain-points and increase success rate. (COVID test kits) during the early months of the pandemic, with a focus on minority and low-income clients.
- Synthesized a report of design recommendations and research findings to address the usability issues we identified.
- Quickly completed a redesign of materials and procedures to increase accessibility and success rate for kits.

AWARDS AND HONORS

Mary Gates Research Scholarship	2022, 2023
Conducting HCD UX research to develop healthcare application for HIV patients.	
Donna M. Sakson Endowed Scholarship for Excellence through Diversity	2022, 2023
Awarded for achieving academic excellence and promoting diversity on campus.	
University of Washington CoMotion Innovation Award	2021
Award recognizing industry-leading research.	
National Institute of Allergy and Infectious Diseases Supplemental (NIAID) Grant	2020
Award to conduct a mixed methods, randomized control trial, of a tuberculosis mHealth application.	

PUBLICATIONS

Enhancing tuberculosis treatment support: A thematic analysis of interactive messages in a digital adherence technology trial to identify needs, challenges, and strategies for improvement	2025
Roberti J, Carmiol-Rodríguez P, Chan-Liang E, Aguilar-Vidrio OA , Suyanto AA, Sprecher J, Rubinstein J, Iribarren S <i>PLOS ONE</i>	
User-Centered Refinement of a Digital Tool for Tuberculosis Treatment Support: Iterative Mixed Methods Study	2025
Iribarren S, Aguilar Vidrio OA , Roberti J, Goodwin K, Chirico C, Telles H, Lutz B, Bornengo F, Rubinstein F <i>Journal of Medical Internet Research</i>	
Evaluation of an AI-Assisted Platform to Support Tuberculosis Care Delivery	2025
Iribarren S, Yuwen W, Filienco D, Jakher H, Nizar M, Vidrio A , Kwanin C, Galdamez D, Roberti J, De Cock M <i>Studies in health technology and informatics</i>	
Optimizing Directed Research Groups with Students to Iteratively Refine the Tuberculosis Treatment Support Tools	2025
Iribarren S, Aguilar Vidrio OA , Roberti J, Goodwin K, Chirico C, Telles H, Lutz B, Bornengo F, Rubinstein F <i>Journal of Medical Internet Research</i>	
Optimizing Directed Research Groups with Students to Iteratively Refine the Tuberculosis Treatment Support Tools	2024
Iribarren S., Aguilar Vidrio A <i>Innovation in Applied Nursing Informatics</i>	
Mobile tuberculosis treatment support tools to increase treatment success in patients with tuberculosis in Argentina: protocol for a randomized controlled trial	2021
Iribarren S, Milligan H, Goodwin K, Aguilar Vidrio OA , Chirico C, Telles H, Morelli D, Lutz B, Sprecher J, Rubinstein F <i>Journal of Medical Internet Research</i>	

LECTURES & PANELS

The Value of Mixed Methods Research for mHealth Applications	2025
University of Washington, School of Nursing (Seattle, WA) NMETH 588: Mixed Methods Research for Health Sciences	
Conducting Undergraduate Research in HCDE	2023
University of Washington, Department of Human-Centered Design & Engineering Student Undergraduate Panel	

RESEARCH POSTERS

A Human-Centered Approach for Designing an mHealth Intervention for HIV Treatment and Prevention

2023

University of Washington Undergraduate Research Symposium , (Seattle, WA)

Enhancing TB Treatment: Developing & Evaluating Spanish-Language LLM Chatbots for Real-Time Support

2025

Awarded for achieving academic excellence and promoting diversity on campus.

CERTIFICATIONS

Certified Professional in Accessibility Core Competencies (CPACC)

2026 (Expected)

International Association of Accessibility Professionals

COMMUNITY SERVICE

Mentor to HCDE Students

2025 – Present

University of Washington, Department of Human-Centered Design & Engineering

Graphic Designer + Educational Outreach

2025 – Present

Seattle LGBTQ+ Center