

# Alfonso “Alfie” Aguilar Vidrio

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## SUMMARY

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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

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### **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

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### **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

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

## PUBLICATIONS

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

## LECTURES & PANELS

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

## RESEARCH POSTERS

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**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

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**Certified Professional in Accessibility Core Competencies (CPACC)**

2026 (Expected)

*International Association of Accessibility Professionals*

## COMMUNITY SERVICE

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**Mentor to HCDE Students**

2025 – Present

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

**Graphic Designer + Educational Outreach**

2025 – Present

*Seattle LGBTQ+ Center*