

YIJUN QIAN

CONTACT

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EDUCATION

Northeastern University

Doctoral Program in Human Movement and Rehab Science, Ph.D *Boston, MA | 09.2022 - current*

- Coursework: GenAI in Healthcare, Core Concepts in Rehab Research, Functional Human Neuroanatomy, Technologies Movement Science, Biostatistics in Public Health, Computation and Visualization
- Cumulative GPA: 3.72/4.0

Drexel University

Master in Human-Computer Interaction, MSIS *Philadelphia, PA | 09.2020 - 05.2022*

- Minor in Digital Media
- Coursework: XR Game in Healthcare, Human-AI Interaction, Foundation of Data, Web Design, Research Methods
- Cumulative GPA: 4.0/4.0

Communication University of China

Animation, BA *Beijing, CN | 09.2012 - 07.2016*

- Coursework: 3D Computer Animation, Digital Effect and Composing Technology, Motion Capture
- Cumulative GPA: 3.2/4.0

RESEARCH EXPERIENCE

Regame XR Lab, Northeastern Univ | Research Assistant *Boston, MA | 09.2022 - Current*

PI Dr. Leanne Chukoskie & Co-PI Art Kramer | Cognition·Game·Virtual Reality·Sensors

Investigated a new combined aerobic exercise and language learning intervention to enhance older adults' cognitive functions.

Robotic Rehab Lab, Univ. of Penn Medical School | Research Assistant *Philadelphia, PA | 10.2021 - 04.2022*

PI Dr. Michelle J. Johnson & Co-PI Dr. Paul Diefenbach | HCI·Rehabilitation·Virtual Reality·Robotics

Designed a VR rehabilitation game platform that supports therapists tailoring intervention games based on individual motor ability and expanded to home-use scenarios for stroke patients.

H2 Design Lab, Drexel Univ. | Research Assistant *Philadelphia, PA | 06.2021 - 04.2022*

PI Dr. Jina Huh-Yoo | HCI·Data Visualization·Health informatics·HIV

Investigated the challenges in conventional HIV risk assessment by conducting interviews with clinicians and literature review. Designed and developed innovative Data Visualization tools to help improve risk assessment and treatment decisions for HIV clinics.

Narrative Space Lab, City Univ. of Hong Kong | Research Assistant *Remote | 06.2021 - 10. 2021*

PI Dr. Ray LC | HCI·Mental Health·Virtual Reality

Studied the efficacy of using VR narrative and role-play game as an alternative tool to assess Fear of Intimacy mental anxiety disorder.

PUBLICATION

Journal

Qian Y, Schwartz A, Jung A, Zhang Y, Seitz U, Wilds G, Kim M, Kramer AF, Chukoskie L. The Influence of Separate and Combined Exercise and Foreign Language Acquisition on Learning and Cognition. *Brain Sciences*. 2024; 14(6):572. <https://doi.org/10.3390/brainsci14060572>

Conferences

Yijun Qian, Sarvesh Prajapati, Anna Schwartz, Ara Jung, Uri Seitz, Joshua Van Alfen, Lara Lewis, Miso Kim, Art Kramer and Leanne Chukoskie. 2023. *Integrated Aerobic Exercise into Adult Second Language Learning in Virtual Reality Game*. IEEE CoG 2023 Boston, MA, USA.

Yijun Qian, Anna Schwartz, Yichi Zhang, Ara Jung, Joshua Van Alfen, Art Kramer and Leanne Chukoskie. 2024. *Promoting Cognitive Health in Older Adults through an Exercise Game Centered around Foreign Language Learning*. CHI 2024 Honolulu, USA. (Accepted)

Yijun Qian, Anna Schwartz, Yichi Zhang, Ara Jung, Joshua Van Alfen, Art Kramer and Leanne Chukoskie. 2024. *Enhancing Cognitive Health in Older Adults through Combined Aerobic Exercise and Foreign Language Learning: Methodology*. Measure Behavior 2024 Scotland, UK. (Accepted)

Yijun Qian, Luoying Lin, Yaning Li, Zhimeng Zhang, Julian Lai, Xin Tong, Meng Li and Ray LC. 2024. *Assessing Fear of Intimacy Through Virtual Reality: Correlating In-Game Behaviors with Attachment Insecurities*. IJHCI (Under review)

Poster

Yijun Qian, Sarvesh Prajapati, Joshua Van Alfen, and Leanne Chukoskie. 2023. *Integrated Aerobic Exercise into Adult Second Language Learning in Virtual Reality Game*. RISE 2023 Northeastern, Boston, MA, USA.

HONORS

Northeastern Univ. Graduate Assistantship Award (SGAs) & Fellow (2022-2024)
Dean's Scholarship in College of Computing and Informatics, Drexel University (2020)
Financial Aid Award, Drexel University(2021-2022)
ELI Honor Student, University of Delaware (2019)
Animation Academy Awards of Beijing Film Academy (2016)
Best Campus Entrepreneur, Communication University of China (2016)

EMPLOYMENT

Netease(NASDAQ:NTES) | Product Designer (Online Events) *Beijing, CN | 10.2017 - 02.2019*

- Balanced user-centered, business goals, and engineer goals to shape product strategy. Performed analysis of user activities & data.
- Developed storyboard, wireframe and prototypes to communicate design ideas.
- Designed web games, activities, or notifications to explore and implement effective growth channels.

LePur Food Technology | Content Strategist, Online Event Designer *Beijing, CN | 08.2016 - 10.2017*

- Conducted both qualitative and quantitative user interviews and surveys and analyzed user data to implement improvement plans.
- Created user profiles and shared insights with cross-functional teams.
- Designed and implemented strategies and promotions via online events to increase conversions and sales.

ACTIVITIES

Curriculum Vitae

President 2021-2022 | Drexel International Graduate Student Association (IGSA)

Article Contributor/Writer | UX Collective Publication

Member 2021-2022 | Drexel CHI User Experience Club