

VASCO XU

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EDUCATION

University of Chicago

Ph.D (& M.S) in Computer Science

Advisors: Dr. Hank Hoffmann & Dr. Karan Ahuja

2021 - 2026 (Expected)

University of Pittsburgh

B.Phil (& B.S) in Computer Science

Advisor: Dr. Sherif Khattab

Honors Thesis: "MAZE: A Secure Cloud Storage Service Using Moving Target Defense and Secure Shell Protocol (SSH) Tunneling"

2016 - 2020

PUBLICATIONS

- [6] **Vasco Xu**, Chenfeng Gao, Henry Hoffmann, and Karan Ahuja. "MobilePoser: Real-Time Full-Body Pose Estimation and 3D Human Translation from IMUs in Mobile Consumer Devices". In: *ACM Symposium on User Interface Software and Technology (UIST)*. 2024.
- [5] Rahul Islam, **Vasco Xu**, and Karan Ahuja. "MotionTrace: IMU-based Field of View Prediction for Smartphone AR Interactions". In: *IEEE International Conference on Wearable and Implantable Body Sensor Networks (BSN)*. 2024.
- [4] **Vasco Xu**, Tejas Kannan, and Henry Hoffmann. "GAMBLER: Adaptive Sampling Under Energy Budgets". In Submission, 2023.
- [3] **Vasco Xu** and Ken Nakagaki. "Xs: Interactive Scissor Mechanisms as Portable and Customizable Shape-Changing Interfaces". In: *Proceedings of the Seventeenth International Conference on Tangible, Embedded, and Embodied Interaction*. 2023, pp. 1–10.
- [2] **Vasco Xu**, Liam White McShane, and Daniel Mossé. "LUSH: Lightweight Framework For User-Level Scheduling in Heterogeneous Multicores". In: *2021 IEEE 14th International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc)*. IEEE. 2021, pp. 396–404.
- [1] **Vasco Xu**. "MAZE: A Secure Cloud Storage Service Using Moving Target Defense and Secure Shell Protocol (SSH) Tunneling". University of Pittsburgh, 2020.

PRESENTATIONS AND EXHIBITIONS

4. [**South by Southwest (SXSW)**] "Xs Sculpture", 2024
3. [**Chicago South Side Science Festival**] "Xs Sculpture", 2023
2. [**Ars Electronica**] "Xs Sculpture", 2023
1. [**Symposium on the Science of Security (HotSoS)**] "MAZE: A Secure Cloud Storage Service Using Moving Target Defense and Secure Shell Protocol (SSH) Tunneling", 2021

PROFESSIONAL EXPERIENCE

Google

Student Researcher

April. 2024 - Present

Seattle, WA

- Prototype tools to empower people with low vision in XR.
- Surface bounded interactions for XR.

- Advised by: Mar Gonzalez-Franco and Harish Kulkarni.

Immunetrics
Software Support Engineer

Aug. 2019 - Dec. 2019
Pittsburgh, PA

- Developed a web application for a biological model building platform.

SELECTED HONORS AND AWARDS

McCormick Fellowship , University of Chicago	2021
Honorable Mention for Outstanding Undergraduate Researcher , Computing Research Association (CRA)	2021
Bachelor of Philosophy Degree (highest undergraduate distinction) , University of Pittsburgh	2021
Chancellor’s Undergraduate Research Fellowship , University of Pittsburgh	2020
Seed Scholar Grant , University of Pittsburgh	2020
Dietrich School Scholarship , University of Pittsburgh	2017

PAPER REVIEWING

ACM UIST	2024
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STUDENT MENTORING

Bishnu Dev , Undergraduate, NYU Abu Dhabi	2023-24
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TEACHING EXPERIENCE

<ul style="list-style-type: none">• Undergraduate Teaching Assistant, Introduction to Programming with Java University of Pittsburgh	2019
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