

Junho Eum

j.eum@gwu.edu • junhoeum.com • Washington, DC

EDUCATION

Aug. '24 – Present **PhD in Computer Science**, George Washington University (GWU)
Advised by Dr. Adam J. Aviv.

Sep. '22 – May '24 **M.S. in Data Analytics**, Boston University.

Jan. '16 – Dec. '21 **B.B.A. in Business Technology**, University of Miami.

RESEARCH EXPERIENCE

Jun. '25 – Present **Foreign Guest Researcher (PREP)**, National Institute of Standards and Technology

Hosted by Dr. Yee-Yin Choong, Information Technology Laboratory. Funded under NIST Professional Research Experience Program (PREP). Contribute to the Human-Centered Digital Identity Research portfolio and the NCCoE mobile driver's license project.

- Lead a qualitative interview study of U.S. public perception of mobile driver's license (study design, participant recruitment, semi-structured interviews, codebook development in NVivo, analysis), examining adoption, mental models, perceived privacy & security risks, and trust towards relying parties across state-issued mDL deployments.
- Coordinate manuscript preparation and NIST internal Editorial Review Board (ERB) process for human-subjects mDL research outputs.

Aug. '24 – Present **Graduate Research Assistant**, GWUSEC Lab, George Washington University
Advised by Dr. Adam J. Aviv.

- Lead a quantitative research (n=853, Prolific) on exploring U.S. public perception of online age verification systems, applying GLMMs, OLS regression, and permutation-based co-occurrence analysis in R across platform contexts and age-assurance mechanisms.
- Co-investigator on an interview study investigating design elements of EU Digital Identity Wallets with CISA Helmholtz Center for Information Security, utilizing Bradley-Terry pairwise comparison modeling of wallet design alternatives.

CONFERENCE PAPERS

CCS '26 [Submitted] **Junho Eum**, Yee-Yin Choong, Arwa Alsahti, Adam J. Aviv. *Identity in my phone: An interview study on user perceptions of mobile driver's licenses*. ACM Conference on Computer and Communications Security.

CCS '26 [Submitted] **Junho Eum**, Jan Tolsdorf, Adryana Hutchinson, Smirity Kaushik, Adam J. Aviv. *User perceptions of online age verification systems in the United States*. ACM Conference on Computer and Communications Security.

CCS '26 [Submitted] Sumair Ijaz Hashmi, **Junho Eum**, Anna Calmbach, Stefan More, Jakob Heher, Katharina Krombholz, Matthias Fassl. *Designing against over-asking: Trust signals, friction, and the limits of interface design in EU Digital Identity Wallets*. ACM Conference on Computer and Communications Security.

FAccT '26 [Accepted] Jan Tolsdorf, Alan F. Luo, Monica Kodwani, **Junho Eum**, Mahmood Sharif, Michelle L. Mazurek, Adam J. Aviv. *How probing for problems and bias affects perceptions of AI chatbot trustworthiness*. ACM Conference on Fairness, Accountability, and Transparency.

SOUPS '25 [Published] Jan Tolsdorf, Alan F. Luo, Monica Kodwani, **Junho Eum**, Mahmood Sharif, Michelle L. Mazurek, Adam J. Aviv. *Safety perceptions of generative AI conversational agents: Uncovering perceptual differences in trust, risk, and fairness*. Symposium on Usable Privacy and Security.

WORKSHOP PAPERS

ConPro '25 [Published] Jan Tolsdorf, Alan F. Luo, Monica Kodwani, **Junho Eum**, Mahmood Sharif, Michelle L. Mazurek, Adam J. Aviv. *On a scale of 1 to 5, how reliable are AI user studies? A call for developing validated, meaningful scales and metrics about user perceptions of AI systems*. IEEE S&P Workshop on Technology and Consumer Protection.

POSTERS

ITL Sci. Day '25 **Junho Eum**, Yee-Yin Choong *Identity in my phone: User perceptions of mobile driver's licenses*. NIST Information Technology Laboratory Science Day, Gaithersburg, MD (held Mar. '26).

TRAILScon '25 Jan Tolsdorf, **Junho Eum**, Monica Kodwani. Co-authored poster, TRAILScon 2025, Trustworthy AI in Law and Society (TRAILS) Institute.

AWARDS

Mar. '26 Best Storytelling Award, NIST ITL Science Day 2025 (mDL user perceptions poster).

AY '24 – '26 Graduate Research Assistantship, Department of Computer Science, George Washington University.

EXTERNAL PEER REVIEW

- CHI '26 (ACM Conference on Human Factors in Computing Systems) – sub-reviewer
- USENIX Security '26 – sub-reviewer
- SOUPS '26 (Symposium on Usable Privacy and Security) – sub-reviewer

TEACHING ASSISTANTSHIPS

- Data Structures and Algorithms; Boston University CS; Spring '23, Fall '23

WORK EXPERIENCE

Nov. '19 – Aug. '21 **Cybersecurity Officer**, Republic of Korea Navy (mandatory military service).
Network security operations and incident response.

SKILLS

Qualitative research methods: Semi-structured interviewing, reflexive thematic analysis, codebook development, inter-rater reliability, literature review and synthesis; ATLAS.ti, NVivo.

Quantitative research methods: GLMMs, OLS regression, PCA, Bradley–Terry models, permutation-based co-occurrence analysis; survey design and deployment via Qualtrics and Prolific.

Programming & tools: Python, R (lme4, emmeans, sjPlot), SQL, JavaScript / React.js, L^AT_EX, Git.

Languages: English (fluent), Korean (native).

REFERENCES

References available upon request.