Gaukas Wang

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EDUCATION

University of Colorado, Boulder
Computer Engineering

Doctor of Philosophy	*Aug 2022 - May 2027(est.)*
Bachelor of Science, *Summa Cum Laude*	*Aug 2018 - May 2021*

AREAS OF INTEREST

Internet Censorship: Censorship Circumvention, Measurements, and Techniques
Cybersecurity: Application Security, Network Security, System Security
Network: Network Infrastructure, Traffic Modeling

SELECTED PUBLICATIONS

Chasing Shadows: A security analysis of the ShadowTLS proxy
G. Wang, Anonymous, J. Sippe, H. Chi, E. Wustrow *FOCI'2023*

Acuerdo: Fast Atomic Broadcast over RDMA
J. Izraelevitz, G. Wang, R. Hanscom, K. Silvers, T. Lehman, G. Chockler, A. Gotsman *ICPP'2022*

OTHER CONTRIBUTIONS

CVE-2021-36539 in Canvas LMS by *Instructure, Inc.*
Unrestricted Access in Canvas LMS to locked/unpublished files

CVE-2021-28681 in pion/webrtc by *Pion*
DTLS Man-in-the-Middle(MITM) vulnerabilities

RTCSocks In Progress
SOCKS5 Proxy Tool utilizing WebRTC DataChannel as its transport

uTLS
Fork of the Go standard TLS library, providing low-level access to the ClientHello for mimicry purposes.

transportc
WebRTC DataChannel as a pluggable transport

WORKING EXPERIENCE

Graduate Researcher
University of Colorado, Boulder *Aug 2022 - Present*

Fullstack Software Engineer
Intelepeer Cloud Communications LLC *Aug 2021 - June 2022*

Undergraduate Research Assistant/Researcher
University of Colorado, Boulder *Apr 2020 - Apr 2022*

TEACHING EXPERIENCE

Teaching Assistant ECEN-CSCI 4313-5313-7000: Concurrent Programming
University of Colorado, Boulder *2022 Fall, 2020 Fall*

Undergraduate Teaching Assistant ECEN 1310:C Programming for ECE
University of Colorado, Boulder *2020 Spring, 2021 Spring*