

Gaukas Wang

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EDUCATION

University of Colorado, Boulder

Computer Engineering

Bachelor of Science (B.Sc.), Summa Cum Laude

Doctor of Philosophy (Ph.D.)

Aug 2018 - May 2021

Aug 2022 - May 2027(est.)

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

Access exploitation when file is locked/unpublished

in Canvas LMS by *Instructure, Inc.*

CVE-2021-28681

DTLS Man-in-the-Middle(MITM) vulnerabilities

in pion/webrtc by *Pion*

RTCSocks

SOCKS5 Proxy Tool utilizing WebRTC DataChannel as its transport

In Progress

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

University of Colorado, Boulder

ECEN-CSCI 4313-5313-7000: Concurrent Programming

Fall'20, Fall'22

Undergraduate Teaching Assistant

University of Colorado, Boulder

ECEN 1310: C Programming for ECE

Spring'20, Spring'21

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