

Gaukas Wang

i@gaukas.wang | linkedin.com/in/gaukaswang/ | github.com/gaukas | Résumé

EDUCATION

University of Colorado, Boulder

*B.Sc. in Electrical and Computer Engineering, **Summa Cum Laude***

Aug 2018 - May 2021

Ph.D. in Computer Engineering

Aug 2022 - May 2027(est.)

SELECTED RESEARCH

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

WORKING EXPERIENCE

Researcher

University of Colorado, Boulder

Aug 2022 - Present

Software Engineer

Intelepeer Cloud Communications LLC

Aug 2021 - June 2022

Researcher

University of Colorado, Boulder

Jan 2021 - Apr 2022

Research Assistant

University of Colorado, Boulder

Apr 2020 - Apr 2021

Founder

Tunnel.Work

Aug 2017 - Present

SELECTED WORKS

uTLS | *Golang*

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

Seed2SDP | *Golang*

- A design to minimize data exchange before a WebRTC PeerConnection could be negotiated.

TranspoRTC | *Golang*

- An implementation of a pluggable WebRTC transport with minimal fingerprintable pattern.

DTLS Fingerprints Mismatch in pion/webrtc | *CVE-2021-28681*

Mar 2021

- A moderate-level CVE impacting a widely used WebRTC API library.

Canvas LMS File Oracle Attack

Sept 2021

- An exploit allowing any Canvas LMS user to bypass file permission restrictions.