

# 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

*Submitted*

### 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.