

Gaukas Wang

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EDUCATION

University of Colorado, Boulder

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

Aug 2018 - May 2021

Ph.D. in Electrical Engineering

Aug 2022 - May 2027(est.)

AWARDS & HONORS

ECEE Excellence Fellowship

University of Colorado, Boulder

Summa Cum Laude

University of Colorado, Boulder

Undergraduate Outstanding Accomplishment Award

University of Colorado, Boulder

PUBLISHED RESEARCH

Acuerdo: Fast Atomic Broadcast over RDMA

J. Izraelevitz, G. Wang, R. Hanscom, K. Silvers, T. Lehman, G. Chockler, A. Gotsman

ICPP 2022

RESEARCH INTERESTS

Censorship Circumvention

Privacy

Software Security

Zero-Knowledge Proof

Zero-Trust Security

PROFESSIONAL EXPERIENCE

Software Engineer I

Intelepeer Cloud Communications LLC

Aug 2021 - June 2022

- Building and maintaining a software system which provides users interfaces to access a Communication-Platform-as-a-Service (cpaas) infrastructure.

Researcher

University of Colorado, Boulder

Jan 2021 - Apr 2022

- Attempting to build a DTLS transport layer inspired by WebRTC for Conjure with Prof. Eric Wustrow.

Research Assistant

University of Colorado, Boulder

Apr 2020 - Apr 2021

- Building an atomic RDMA broadcasting design called Acuerdo with Prof. Joseph Izraelevitz.

Software Engineer

University of Colorado, Boulder

Aug 2020 - Apr 2021

- Designing and building a mission-critical automated heavy-lifting controlling system with the team. Managing the code base and implementing CI/CD workflows for automated testing and deploying.

Founder

Tunnel.Work

Aug 2017 - Present

- Designing and testing new censorship circumvention solutions for users living in regions with high levels of censorship.

SELECTED WORKS

Seed2SDP & TranspoRTC | Golang, WebRTC

Apr 2022

- 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.

This is a copy published on **June 20, 2022**. Fetch the latest copy from **gauk.as/cv**

OTHER INFORMATION

US Employment Authorization Sponsorship: Accept OPT/CPT or need sponsorship