

# Gaukas Wang

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## EDUCATION

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### 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

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**ECEE Excellence Fellowship**

University of Colorado, Boulder

**Summa Cum Laude**

University of Colorado, Boulder

**Undergraduate Outstanding Accomplishment Award**

University of Colorado, Boulder

## PUBLISHED RESEARCH

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### Acuerdo: Fast Atomic Broadcast over RDMA

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

*ICPP 2022*

## PROFESSIONAL EXPERIENCE

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### 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

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### 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.