

WU peter wu

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skills

| *Primary Languages:* C++ • Java • Python • OCaml

| *Technologies:* Kafka • Kubernetes • NumPy & Pandas • SQL & NoSQL DBs • React

experience

| *Citadel*

| Software Engineer

Aug 2023 - present

| *YouTube*

| Software Engineer Intern

May 2022 - Aug 2022

| significantly improved video quality for over 5 million YouTube TV subscribers by developing a data processing pipeline in C++ to sample and process videos for internal quality verification.

| *Google*

| Software Engineer Intern

May 2022 - Aug 2022

| provided more actionable intelligence to users of Ads Display & Video by discovering unvisited code in Python bidding strategies, interfacing with ML models to optimize marketing objectives.

education

| *Cornell University*

| B.S., Computer Science

Aug 2019 - May 2023

| college of engineering with specialization in mathematics. graduated one semester early.

| TA for Machine Learning, Functional Programming

projects

| *Cascade*

| c++ • mpi[high-performance computing] • distributed systems

May 2023

| cloud application framework powered by RDMA data paths, backed by a distributed key/value store.

| research advised by Ken Birman and Weijia Song.

| *Distributed Texas Hold-Em Poker*

| express[node.js] • socket.io[websockets]

Apr 2020

| webapp allowing for players across multiple devices and networks to join rooms and play poker in

| real-time. the app is open-sourced and has [75+ stars on GitHub](#).

awards

| *USA Computing Olympiad Gold Division* (2017)

| *USA Biology Olympiad Semifinalist* (2019)

| *Cornell Math Contest in Modeling Top 4* (2020)