

Evann Wu

evannwu@gmail.com | 704-747-4535 | [linkedin/evannwu](https://www.linkedin.com/in/evannwu) | evannwu.com

EDUCATION

Carnegie Mellon University

Pittsburgh, PA | May 2021

B.S. ELECTRICAL AND COMPUTER ENGINEERING

Relevant Courses: Machine Learning, Secure Software Systems, Distributed Systems, Computer Graphics, Computer Vision, Data Structures and Algorithms, Computer Security

WORK EXPERIENCE

GOOGLE | SOFTWARE ENGINEER

Washington, DC | July 2022 – Present

- Working on Search backend/data team to build data pipelines and services to ingest and load millions of entities into Google's Knowledge Graph
- Designed and implemented service to automate the operations needed across the life cycle of new data feeds
- Worked with team to design and implement orchestration service, which acts as source of truth and kicks off new flows when data updates are made
- Led data expansion with new data partner and created schema for new data types

YEXT | SOFTWARE ENGINEER

Arlington, VA | Jun 2021 – July 2022

- Developing Yext Sites backend in **Golang** using technologies such as **Kafka**, **Docker**, **Kubernetes**, and **etcd**
- Implemented schema storage solution across multiple regions and cloud providers such as **AWS S3** and **GCP Storage**
- Rearchitected live preview system to run 2,600% faster using pool of running containers in **Kubernetes**
- Participated in taskforce to migrate jobs to **Nomad** workload orchestrator

PROJECTS

AUTOMATED LIP SYNCHER

PYTHON, PYTORCH, CNN

Developed a lip syncher that animates mouth movements based on real-time speech input. Created phoneme dataset based off Common Voice dataset and trained convolutional neural network to classify phoneme from audio input

DRIVER MONITORING SYSTEM

EMBEDDED SYSTEMS, OPENCV

Designed and built a system to alert drivers when distracted. Used Nvidia Jetson Xavier board to run facial detection implemented using Caffe model.

PROFESSOR DOPPELGANGER FINDER

PYTHON, AZUZE, COMPUTER VISION, WEB SCRAPING

Developed a website that used Microsoft Azure cognitive services Face API and web scrapping to find the CMU professor that looked the most like the user

SKILLS

Languages: Java, Python, SQL, Golang, C++, Bash

Web Development: React, JavaScript, TypeScript, HTML/CSS, Apollo, GraphQL

Technology: Git, AWS, GCP, gRPC, proto3, Bazel, Docker, Kubernetes, Kafka, RabbitMQ, Terraform, Nomad