

Tianyi (Sam) Zhou

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Responsible for holding office hours and grading assignments for over 400 students.

RESEARCH

2016

ML Research *Python, Keras*

Used ML to predict future users interests on Quora.
Paper Published: *Evolution and Assimilation of User Interest based on BP Neural Networks in a Cluster of Mutually Following Users* published on Information Technology & Informatization (2016 Issue 9)

EDUCATION

2017-2021 **Cornell University**
College of Engineering
Major: Computer Science GPA: 4.15

SKILLS

PROFICIENT Java, Kotlin, Swift, TypeScript,
JavaScript, Angular, HTML, CSS

FAMILIAR Google Cloud Platform, PHP, MySQL,
Go, Python, MATLAB, \LaTeX

BASIC C++, Amazon EC2

TECHNICAL COURSES

2017FA **CS 2112** OO Design Data Structs Honors

2017FA **CS 2800** Discrete Structures

2018SP **CS 3110** Data Structs & FP

2018SP **CS 4820** Intro Analysis of Algorithms

2018FA **CS 3410** Systems Programming

2018FA **CS 4110** Programming Languages & Logics

2018FA **CS 4780** Machine Learning Intell Sys

WORK EXPERIENCE

AUG 2018 – DEC 2018

CS 2112: OO Design Data Structs Honors TA

Cornell University, Ithaca, NY
Responsible for holding office hours, lab sessions and grading assignments for about 90 students.

DEC 2017 - JAN 2018, MAY 2018 – JUNE 2018

App Development

U-Learn Educational Group, Shanghai, China
As the sole developer, developed an information management system with a web interface and an iOS client. The system can publish company related information and update and browse student information.

JAN 2018 – MAY 2018

CS 2800: Discrete Structures TA

Cornell University, Ithaca, NY

PROJECTS

2018 - PRESENT

SAMPL *Kotlin, ANTLR*

An interpreter and compiler project for my own functional programming language SAMPL.
The language supports generics, first-class functions and basic type inference, with a OCaml like syntax.

2018 - PRESENT

TypedStore *Kotlin, Google Cloud Datastore*

A client library in Kotlin for Google Cloud Datastore.
It provides easy-to-use DSL to perform CRUD operations on Google Cloud Datastore with compile-time safety guarantee.

2018

MemeMe *Java, Kotlin, Angular, Firebase*

A web app built during Hackathon.
Uses Microsoft's Vision API to identify faces and use the emotion of the face to generate the best possible meme from a set of faces from the same person.

2017

Chunk Reader *Java, Javascript, CSS3, HTML5*

A web app built during a Hackathon.
Used NLP to extract crucial information and generate a summary from any given text.
Prize: Best Use of Google Cloud Platform/Big Data Products.

2015-Now

Personal Website *Kotlin, Angular, Kubernetes, Firebase*

Personal website running on Google Kubernetes Engine.
It contains my personal portfolio, a scheduler web app, a rewritten Chunk Reader app, and a board game.
The frontend was developed with Angular 5 framework and Firebase, following Material Design.

ACTIVITIES

2017-Now **ACM-ICPC Participant**

Participated in the Greater New York Regional Contest and scored the 18th among 52 teams.