

Goldie Zhu

Full Stack Developer, User-Centered UX Researcher

Lafayette, CA, U.S.A.
goldiezhu.github.io/
goldie.zhu@mail.utoronto.ca
925.660.2568

Education

University of Toronto *Bachelor of Information*

Toronto, Canada | April 2022 (Expected) | GPA: 3.87/4.0

Relevant Coursework:

Information Design Studio I: How to make a Computer

Information Design Studio II: How to Design

Information Design Studio III: Design Interactive Systems
Computational Reasoning

Tsinghua University *B.S. in Computer Science*

Beijing, China | August 2018 - June 2020

Relevant Coursework:

Fundamentals of Programming, Object-Oriented
Programming, Human Computer Interaction, Calculus A,
Linear Algebra, Discrete Mathematics, Statistics

Skills

Programming Languages:

C / C++
HTML
Python
Groovy
Javascript
Java
JSON

Programming Tools:

Visual Studio
VS Code
pgAdmin4
Node.js
Qt
PostgreSQL

UI/UX Skills:

Prototyping
Wireframing
UX Research
Personas

UI/UX Tools:

Photoshop
Figma
Balsamiq
Mural

Languages:

English, Chinese

Experience

University of Toronto — Research Trainee

Prof. Kelly Lyons | Toronto, ON, Canada | Jun. - Aug. 2021

Keywords: Programming, Data Visualization

- Worked in Javascript and HTML to refine UniSankey, a data visualization tool originally configured to visualize one specific set of industry-academic collaboration data.
- (Ongoing) Reprogrammed UniSankey to accept any dataset and created scripts to transform datasets into a UniSankey accepted format.

eMapGo — Big Data Intern

Leading Map Company in Beijing, China | Jun. - Aug. 2019

Keywords: Programming, Data Visualization, Research

- Worked with large amounts of coordinate data and car metadata collected from the in-car navigation systems (OEM) of partner automobile companies.
- Used SQL and PostgreSQL to process data and visualize user car trips, used to identify highly traveled roads, new roads, and areas of improvement in their GPS software.
- Compiled thorough reports from my research and analysis on how to utilize big data to create desired new software functions, such as advances in autonomous driving functions.

California Assemblywoman — Political Intern

District 14 Susan Bonilla | Concord, CA, U.S.A. | Jun. - Jul. 2015

Keywords: High Volume Client Facing Work, Data Entry

- Communicated directly with constituents through emails and phone calls. Commended for hard work and efficiency after I cleared months of data backlog in less than a month.

Projects

Client-Server Multiplayer Chess

Beijing, China | Jul. 2019

- Used Object Oriented Programming to create a Multiplayer Chess game in C/C++.
- Using TCP Server-Client communication, players can access games from different computers.

Eco Site

Los Altos Hacks III | Los Altos, CA, U.S.A. | Mar. 2018

- Coded an unpublished website to raise awareness on environmental issues using HTML and JavaScript.