Goldie Zhu

Programmer, UX Researcher

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EXPERIENCE

University of Toronto — *Research Trainee*

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

• Worked in JS and HTML to refine UniSankey, a data visualization tool originally hardcoded to visualize one specific set of industry-academic collaboration data.

• (Ongoing) Reprogrammed UniSankey to accept any uploaded dataset. Manipulated and created datasets. Changed visualization processes such as the labeling of different nodes in the visualization.

eMapGo — *Big Data Intern*

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

• Worked with large amounts of coordinate data and car metadata collected from the in-car navigation systems (OEM) of eMapGo partner automobile companies.

• Used SQL and PostgreSQL to process data and visualize user car trips, and identify areas of improvement and potential new features for their GPS software.

California Assemblywoman— *Political Intern*

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

High Volume Client Facing work and Data Entry. Communicated directly with constituents through emails and phone calls. Commended for hard work and efficiency after I cleared months of data backlog.

Education

University of Toronto, Canada

Bachelor of Information | Sept. 2020 - Apr. 2022 (Expected) | GPA: 3.88

Coursework: How to Design, Designing Interactive Systems, Introduction to Information and Power, Integrative Approaches to Tech and Society, Information Practices in Organizations, Information Policy in Canadian and Global Contexts, World becomes Data, Computational Reasoning

Tsinghua University, China

Bachelor of Science, Computer Science |Aug. 2018 - Jun. 2020 (Transfer)

Coursework: Fundamentals of Programming, Object-Oriented Programming, Human-Computer Interaction

2021-2022 Capstones

Park People

Project: Homelessness in Parks
Supervisor: Prof. David Roberts
Industry Advisor: Adri Stark

• Challenge hostile architecture practices in parks by conducting research on vulnerable populations, producing design guidelines, and creating prototypes for building inclusive public spaces.

Polaris Intelligence Inc.

Project: "Cross-tab" Module
Supervisor: Prof. Michael Gruninger
Industry Advisor: Jannis Mei

• Create a front end module using Node/PHP/JS for their market insight and data analytics tool that allows consumers to conveniently cross reference analytics and visualizations.

SKILLS

Programming Languages: C, C++, HTML, Python, Javascript, Java, Groovy, SQL, R

Tools: Visual Studio, VS Code, pgAdmin4, Node.js, Qt, PostgreSQL

UI/UX Skills: Prototyping, Wireframing, UX Research, Personas

UI/UX Tools: Photoshop, Illustrator, Balsamiq, Mural, Figma

Languages: English, Mandarin Chinese