Haihan Lin

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Experience

Visualization Design Lab   January 2019 - Present
Research Assistant
*Used **React**, **Vue**, **D3**, and **Typescript** to create data visualization tools. Worked with psychiatrists, U of U Health physicians, and population scientists to develop customized visualization tools to study domain data. Conducted workshops on collecting requirements and expectations for **visualization** tools.*

SaveryEats   February 2016 - August 2016
CTO (Developer and Graphic Designer)
Helped found a startup that focused on reducing food waste by providing real-time, dynamic discounts on surplus inventory. Conducted user experiments, and presented during Twin Cities Startup Week.

Path2Success   January 2016 - May 2016
Developer
*Used **Java** and Android Studio to develop an Android App with other two students*

Publications and Preprints

Sanguine: Visual Analysis for Patient Blood Management
Information Visualization, vol. 20, no. 2-3, July 2021, pp. 123-137, *doi.org/10.1177/14738716211028565*
Haihan Lin, Ryan A. Metcalf, Jack Wilburn, Alexander Lex

Clipped Graphs: A Compact Time Series Encoding
Proceedings of the IEEE Information Visualization Conference – Posters (InfoVis '19), October 2019
Haihan Lin, Carolina Nobre, Amanda Bakian, Alexander Lex

Data Hunches: Incorporating Personal Knowledge into Visualizations
Haihan Lin, Derya Akbaba, Miriah Meyer, Alexander Lex
arXiv:2109.07035 [cs], Mar. 2022. Available: *http://arxiv.org/abs/2109.07035*

Skills

React, Vue, D3, TypeScript, JavaScript, MobX, Python, Java, Git, LaTex, HTML, CSS

Education

University of Utah, Doctor of Philosophy   August 2018 - Present
Computer Science (Data visualization, Human-computer interaction)

Macalester College, Bachelor of Arts with *summa cum laude.*   September 2014 - May 2018
Computer Science and Mathematics