

## EMPLOYMENT

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| <b>Software Engineer (Full Stack)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Sambanova Systems</b>               | <b>Jun'21 - Feb'23</b> |
| <ul style="list-style-type: none"><li>• Architected scalable API and data schema between frontend and backend of the company's profiling tool, enabling engineers to add UI components quickly without needing frontend code change. [React, Flask]</li><li>• Designed and developed UX/UI for the company's flagship AI platform (Dataflow-as-a-Service) and a profiler. [React, Redux, Sass, D3.js, FastAPI, Flask, PostgreSQL, Kubernetes, Figma]</li><li>• Wrote automated tests to prevent regression. [React Testing Library, Jest, pytest]</li><li>• Created prototype applications under tight schedules, allowing clients to quickly comprehend the value of products.</li></ul>                                              |                                        |                        |
| <b>Frontend Developer, Intern</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Trend Micro</b>                     | <b>May'20 - Jul'20</b> |
| <ul style="list-style-type: none"><li>• Increased data management efficiency threefold by creating a full stack [React, Sass, Node.js, SQLite] tool, beginning from user research and wireframes, which enables engineers to upload, visualize, and organize data on a browser.</li><li>• Reduced load time of our client-facing React web application by 92% by pinpointing bottlenecks using DevTools then applying dynamic loading and circumventing excessive DOM node manipulation.</li><li>• Enhanced UX by checking the web application UI against design principles (familiarity, predictability, and synthesizability) then coordinating with backend engineers, designer, and manager to make appropriate changes.</li></ul> |                                        |                        |
| <b>Mobile App Developer, Part-time</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Georgia Institute of Technology</b> | <b>Jan'20 - May'20</b> |
| <ul style="list-style-type: none"><li>• Created a mobile app with React Native that enabled individuals with multiple sclerosis to record and review their health history.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |                        |

## EDUCATION

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| <b>M.S., Human Computer Interaction</b>                                                                                                                                                                                                                                      | <b>Georgia Institute of Technology</b> | <b>Aug'19 - May'21</b> |
| <ul style="list-style-type: none"><li>• GPA: 4.0</li><li>• Relevant Coursework: Interface Prototyping; Information Visualization; Mobile App and Services; Evidence-Based Design; Research Methods for HCI; Ubiquitous Computing.</li></ul>                                  |                                        |                        |
| <b>B.S., EE (CS &amp; IC Specialization)</b>                                                                                                                                                                                                                                 | <b>National Taiwan University</b>      | <b>Sep'11 - Jun'15</b> |
| <ul style="list-style-type: none"><li>• GPA: 3.69</li><li>• Relevant Coursework: Data Structure and Programming; Networking and Multimedia; Special Project in Computer Vision; Computer Programming; Introduction to Computer Networks; Introduction to Computer.</li></ul> |                                        |                        |

## TECHNICAL EXPERIENCE

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| <b>Lead Developer / Web Developer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Class Project at GA Tech</b> | <b>Aug'20 - May'21</b> |
| <ul style="list-style-type: none"><li>• Coordinated the team's development process by architecting a development environment (Vanilla JS, CSS, HTML), teaching teammates how to use GitHub, and revising teammates' code.</li><li>• Visualized thousands of rows of satellite data by creating a scrollytelling style introduction, drawing and animating data using SVGs and canvas with D3.js, and optimizing data rendering and geometric calculations.</li></ul> |                                 |                        |

## Publication

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- Glissade: Generating Balance Shifting Feedback to Facilitate Auxiliary Digital Pen Input**
- 1st author of a full paper which received honorable mention award (top 5%) at CHI'20, a top HCI conference.

## Languages and Technologies

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- Languages: JavaScript (primary); HTML; CSS; Typescript; Python; C++.
- Technologies: React; React Native; Redux; Sass; D3.js; Node.js; Flask; REST; Jest; pytest; SQLite; Angular; Git.