Jerry Wu

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About

Software engineer experienced with the modern web; loves building great products

Skills

- **Languages:** JavaScript, TypeScript, C#
- **Libraries/Frameworks:** React, Redux, ASP.NET, ElectronJS
- **Tools:** NodeJS, Webpack, Docker, Kubernetes, Figma

Work

Software Engineer II, Microsoft – Bellevue, WA   Apr 2019 – Present

- Responsible for the bell icon on bing.com which shows personalized notifications
- Expanded the bell icon to more users, increasing daily impressions by 27%
- Implemented the bell icon on mobile, increasing daily notification clicks by 26%
- Performed a live migration of the follow button on bing.com (~3M daily impressions) from a legacy to modern stack

Staff Software Engineer, IBM – San Jose, CA   Aug 2017 – Apr 2019

- Lead developer of a data science desktop app built on Electron, React, and Docker
- Significantly reduced errors during installation and container management by interfacing with the docker daemon's API instead of using the cli
- Improved installer UX by implementing an accurate progress bar
- Removed 240k+ lines of dead code in a refactor
- Created an in-app Valentine's day-themed space invaders game using the Canvas API

Projects

GitHub Markdown Printer

- Browser extension to print GitHub Markdown exactly as it appears on GitHub; 2k+ users
- Implemented automated daily tests to detect when changes to github.com breaks it

GitHub Issue Visualizer

- Web app to plot a GitHub repo's issues over time, using React, GraphQL, and ChartJS

Wind Sensor

- Tested concept of using ultrasonic transceivers and time of flight measurements to derive wind speed and direction on a small scale

Education

University of Hawaii at Manoa   Aug 2013 – May 2017

B.S. Computer Engineering, GPA: 3.9/4.0