

# Spencer Yue

10624 Galsworthy Ln    Austin, TX 78739  
spenceryue@utexas.edu    405 308 7014

OBJECTIVE	Summer internship in front-end web development.
EDUCATION	<b>Bachelor of Science, Computer Engineering Honors</b> (May 2019) The University of Texas at Austin GPA: 3.84/4.00
SKILLS	React, JavaScript / TypeScript, CSS / Sass, Python, Bash
WORK EXPERIENCE	<b>Tietronix Software Inc., Software Intern</b> (June 2018 – August 2018) <ul style="list-style-type: none"><li>Extended an open-source <u>ultrasound imaging simulator</u> to apply the Spatial Impulse Response algorithm.</li><li>Built a Python wrapper with <u>pybind11</u> and <u>ATen</u> to manage GPU memory.</li><li>Configured <u>CMake</u> with <u>clang</u> and <u>lld</u> for faster builds.</li><li>See <a href="https://github.com/spenceryue/OpenBCSim">https://github.com/spenceryue/OpenBCSim</a>.</li></ul>
PROJECTS	<b>Solar Monitoring Project</b> (Ongoing) <ul style="list-style-type: none"><li>A <u>dashboard app</u> to monitor solar panel performance in real-time.</li><li>Built with React, TypeScript, and Google Firebase.</li><li>See <a href="https://github.com/santoso-solar-monitoring-project/main-page">https://github.com/santoso-solar-monitoring-project/main-page</a>.</li></ul> <b>videomag</b> (October 2017 – December 2017) [ <a href="https://spenceryue.me/videomag">https://spenceryue.me/videomag</a> ] <ul style="list-style-type: none"><li>A <u>video filtering app</u> to amplify small changes from user's web camera.</li><li>Implemented in <u>C</u> the Eulerian Video Magnification algorithm.</li><li>Built with plain JavaScript and <u>WebAssembly</u> (compiled with emscripten).</li></ul> <b>StudyParty</b> (March 2017 – May 2017) [ <a href="https://github.com/spenceryue/chairs">https://github.com/spenceryue/chairs</a> ] <ul style="list-style-type: none"><li>A <u>location sharing app</u> for study locations at UT with 3D indoor building maps.</li><li>Built with <u>SVG</u>, <u>CSS</u> 3D transforms, and <u>Sass</u> preprocessing.</li></ul>
AWARDS	Silver Medal (92 <sup>th</sup> percentile) in Week of Code 36 <u>HackerRank Competition</u> (2018) Silver Medal (90 <sup>th</sup> percentile) in HourRank 25 <u>HackerRank Competition</u> (2018) Noble Educational Fund <u>Scholarship</u> of \$15,000 (2014) UT Austin Engineering Honors Program, <u>Scholarship</u> of \$5,000 (2014)
COURSES	Operating Systems, Algorithms, Software Design Lab, Senior Design