

# Spencer Yue

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