

Spencer Yue

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