

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 (June 2018 – August 2018) <ul style="list-style-type: none">Extended an open-source ultrasound imaging simulator to apply the Spatial Impulse Response algorithm.Built a Python wrapper with pybind11 and ATen to manage GPU memory.Configured CMake with clang and lld for faster builds.See https://github.com/spenceryue/OpenBCSim.
PROJECTS	Solar Monitoring Project (December 2018 – Ongoing) <ul style="list-style-type: none">A dashboard 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 (October 2017 – December 2017) [https://spenceryue.me/videomag] <ul style="list-style-type: none">A video filtering app to amplify small changes from user's web camera.Implemented in C the Eulerian Video Magnification algorithm.Built with JavaScript and WebAssembly (compiled with emscripten). StudyParty (March 2017 – May 2017) [https://github.com/spenceryue/chairs] <ul style="list-style-type: none">A location sharing app for study locations at UT with 3D indoor building maps.Built with SVG, CSS 3D transforms, and Sass preprocessing.
AWARDS	Silver Medal (92 th percentile) in Week of Code 36, HackerRank Competition (2018) Silver Medal (90 th percentile) in HourRank 25, HackerRank Competition (2018) Noble Educational Fund Scholarship of \$15,000 (2014) UT Austin Engineering Honors Program, Scholarship of \$5,000 (2014)
COURSES	Operating Systems, Algorithms, Software Design Lab, Senior Design