

Spencer Yue

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



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, C++, Bash
WORK EXPERIENCE	Tietronix Software Inc., Software Intern (Jun 2018 – Aug 2018) <ul style="list-style-type: none">Extended an <u>open-source ultrasound imaging simulator</u> to apply the <u>Spatial Impulse Response algorithm</u>.Built a Python wrapper with <u>pybind11</u> and <u>ATen</u> to manage GPU memory.Configured <u>CMake</u> with clang and lld for faster builds.Link: https://github.com/spenceryue/OpenBCSim.
PROJECTS	Solar Monitoring Project (Current) <ul style="list-style-type: none">A <u>dashboard app</u> to monitor solar panel performance for a UT research lab.Built with <u>React</u>, <u>TypeScript</u>, and <u>Google Firebase</u>.An experiment in <u>TypeScript Generics</u>, <u>React Hooks</u>, <u>D3</u>, <u>three</u>, & <u>Immutable</u>.Link: 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 app</u> to amplify small changes from user's web camera.Implemented in <u>C</u> the <u>Eulerian Video Magnification algorithm</u>.Built with 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 app</u> for study locations at UT with 3D indoor building maps.Built with <u>SVG</u>, <u>CSS 3D transforms</u>, and <u>Sass preprocessing</u>.
COURSES	Operating Systems, Algorithms, Software Design Lab, Data Science Principles, Real Analysis (Graduate), Complex Analysis (Graduate), Topology I, Algebra I
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)

