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

**EXPERIENCE**

**WORK** **Tietronix Software Inc., Software Intern** (June 2018 – August 2018)

•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*](https://github.com/spenceryue/OpenBCSim).

**PROJECTS Solar Monitoring Project**(Ongoing)

* 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*](https://github.com/santoso-solar-monitoring-project/main-page).

**videomag**(October 2017 – December 2017) *[*[*https://spenceryue.me/videomag*](https://spenceryue.me/videomag)*]*

* A video filtering app to amplify small changes from user’s web camera.
* Implemented in C the Eulerian Video Magnification algorithm.
* Built with plain JavaScript and WebAssembly (compiled with emscripten).

**StudyParty**(March 2017 – May 2017) *[*[*https://github.com/spenceryue/chairs*](https://github.com/spenceryue/chairs)*]*

* 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 (92th percentile) in Week of Code 36 HackerRank Competition (2018)

Silver Medal (90th 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