

JOEL BRAUN

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Skills and Qualifications

- Well-versed languages: **Java** and **C++**
- Familiar languages: **HTML**, **Javascript**, **C#**, and **Python**
- Frameworks: **GitHub**, **Unity**, **Intellij IDEA**, **MPLAB**, and **LibGDX**
- Great **Problem Solving** and works well with a **Team**
- **Manages Time** for school, multiple volunteering positions, and responsibilities at home
- Good **Communication** skills
- Quick **Learner** | Self taught guitar, piano, HTML, and Javascript
- **Soldered** many different projects and debugged with a multimeter and oscilloscope

Projects

- Capacitive touch sensor Spring 2018
 - Created a 3 pad touch sensor from scratch
 - Could calculate a finger's position in 1 axis along the sensor
 - Used to control the colour of an LED
 - Turned into a working prototype
 - Designed on PCB design software and created and soldered by hand
 - Programed 8-bit processor in C++ using MPLAB
- Low pass filter Spring 2017
 - Filtered audio to only include the beat of the music
 - Controlled LEDs that pulse to music
 - Designed on breadboard and later created and soldered by hand

Experience

- Summer Camp Camp Kahquah Summer 2019
 - Successfully led groups of children through fun and enjoyable activities
 - Worked hard with a team of people to plan and run events
 - Communicated with other staff to solve problems
- Tech Crew Leader Forest Heights CI 4 years | 2015-2019
 - Responsible for audio, video, and lighting effects
 - Led teams of 3-15 people to ensure events and activities ran successfully
 - Fixed problems under pressure
- Sound Technician Westheights CC 1 year | 2019
 - Mixes 6-12 instruments and vocals into a strong, balanced mosaic of sound
 - Problem solving under pressure to ensure a solid, upbeat performance
- Carpentry Team Brauns Summers 2017-2018
 - Managed time and exceeded job quotas
 - Quickly trained on wood working machines
 - Worked well independently with minimal supervision