

## **Jessica Park - Digital Signal Processing Engineer**

### **Contact Information**

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**Professional Summary** Digital Signal Processing Engineer with 5 years experience in audio/video processing and machine learning applications. Specialized in real-time signal processing algorithms and FPGA implementation.

### **Key Skills**

- MATLAB/Simulink programming
- DSP algorithm development
- FPGA programming (VHDL/Verilog)
- Python for machine learning
- Audio/video processing
- Real-time system optimization

### **Experience DSP Engineer | AudioTech Solutions (2020-Present)**

- Developed audio processing algorithms for consumer electronics
- Implemented real-time filters on FPGA platforms
- Optimized signal processing for mobile applications

### **Junior DSP Engineer | MediaCore Systems (2019-2020)**

- Created video compression algorithms
- Worked on image processing for security systems
- Collaborated with AI teams on signal enhancement

### **Education**

- Bachelor of Electronics Engineering, Macquarie University (2019)
- Specialized coursework in Digital Signal Processing and Machine Learning