



# Marco Martinez

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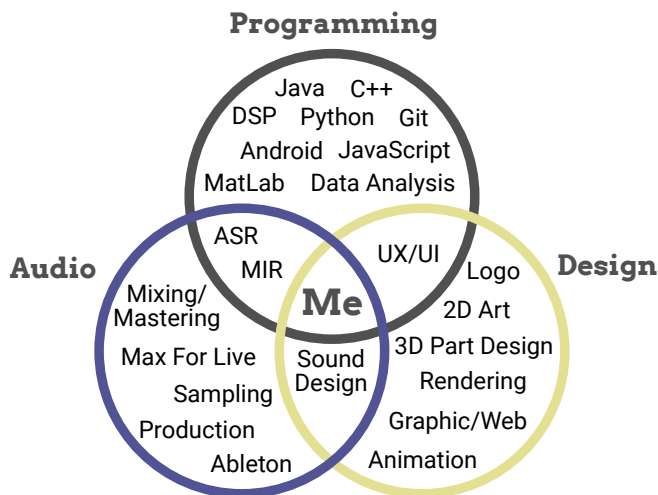
## About Me

**I am a software engineer, data scientist, and artistic entrepreneur who delivers effective solutions through careful analysis and user focused design.**

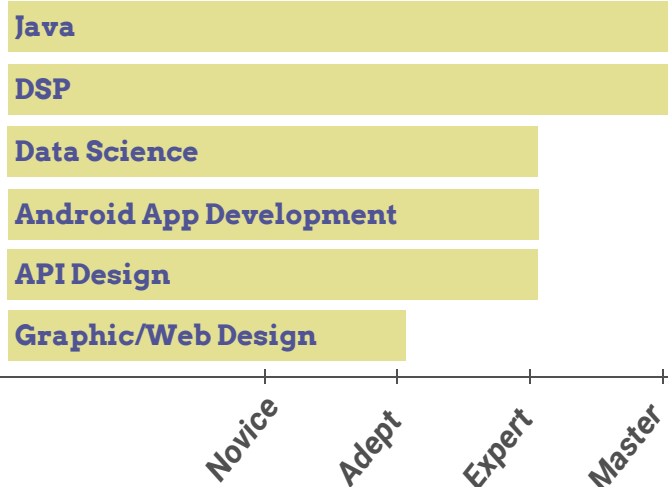
With a background in mechanical and software engineering, and a passion for audio and graphic design, I have worked with data ranging from music and speech to bio-metric and traffic.

I believe that the best solutions are achieved by always designing for the customer. Utilizing project engineering, data analysis, and aesthetic design, I strive for excellent client communication and user experience delivery.

## Summary



## Top Skills



## Education & Experience

### April '19 - Present

#### Producer

##### Alt Ethos - Denver, CO

Project Manager, Designer, and Hardware/Software Engineer using light, sound and creative technology to create interactive installations that generate excitement, awareness, and engagement for our clients

### Summer '18

#### Master's of Science, Mechanical Engineering

##### Colorado State University - Fort Collins, CO

Software Engineering Thesis - Development of an Open-Source Java Library for Sensory Substitution Systems

### July '17 - May '18

#### Creative Works Award

##### CSU Ventures

Awarded \$12,000 to complete a Java library for sensory substitution applications

Built an Android Library called "Tactile Waves" that provides a DSP toolbox and API for pre-processing, feature extraction, and classification of speech signals, as well as communication to sensory substitution hardware via Bluetooth

### July '15 - February '17

#### Software Engineering Contractor

##### Sapien, LLC - Fort Collins, CO

Lead Software Engineer at local start-up company specializing in bio-metric devices and brain-computer interfaces

Developed bio-metric monitoring systems using Java and C++

Interfaced with clients to formalize product requirements and provide project estimates

### June '15 - November '17

#### Data Analysis Contractor

##### Stantec - Denver, CO

Analyzed GPS traffic data to adjust and maintain signal timings of several streets around Denver and Greeley, CO

Built an automated Python program to analyze large sets of GPS data and generate necessary Excel summary spreadsheets

### Spring '15

#### Gadget Freak of the Year 2015 - 1<sup>st</sup> Place

##### Design News Magazine

Led an undergraduate mechatronics team through the design and production of a combination Attack Timer and Dynamometer to be used in any consumer vehicle

Published in Design News Magazine September 2015 Issue

Won Design New's Gadget Freak of the Year 2015 - 1<sup>st</sup> place and \$6000