



Marco Martinez

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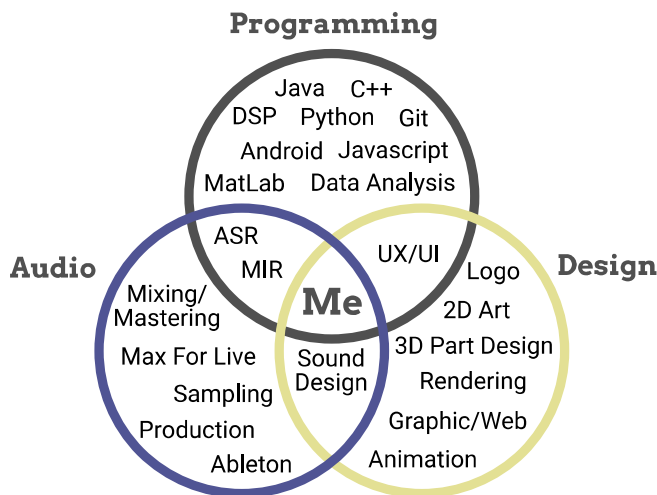
About Me

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

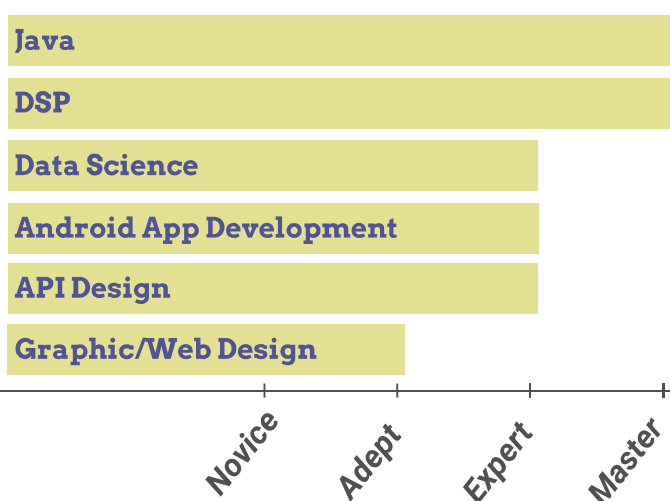
With a background in mechanical and software engineering, and a passion for audio and graphic design, I have worked with data ranging from music and speech to biometric and traffic.

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

Summary



Top Skills



Education & Experience

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 '17

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

May '16

Bachelors of Science, Mechanical Engineering Colorado State University - Fort Collins, CO

Software Engineering Senior Project- Encoding of Audio Information for Electrotactile Stimulation on the Tongue for the Development and Testing of Auditory Prostheses

July '15 - February '17

Software Engineering Contractor Sapien, LLC - Fort Collins, CO

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

Developed biometric 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 - 1st 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 News's Gadget Freak of the Year 2015 – 1st place and \$6000