

MADISON EVANS
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EDUCATION

Georgia Institute of Technology	Phoenix, AZ
M.S. in Computer Science	Jan 2022 - Present
Georgia Institute of Technology	Phoenix, AZ
B.S. in Mechanical Engineering	May 2018
Flatiron	Phoenix, AZ
Full-Stack Software Engineering Bootcamp Student:	Apr 2023

EXPERIENCE

Intel	Phoenix, AZ
<i>Mechanical Engineer</i>	<i>June 2018 – Feb 2023</i>
<ul style="list-style-type: none">Consulted daily with customers within Intel and developed specialized solutions to solve specific mechanical engineering challengesLed a large scale stanchion production project, reducing assembly cost by 30% and improving ergonomic conditions for techniciansDesigned and fabricated over 50 3D printed parts for various rapid prototype design conceptsInvestigated material structural properties and manufacturability in order to fulfill customer requestsAnalyzed manufacturing line data using Microsoft Excel and JMP	

ADDITIONAL EXPERIENCE

Porex	Phoenix, AZ
<i>Manufacturing Intern</i>	<i>May 2016 – Aug 2016</i>
Modif Media	Phoenix, AZ
<i>Technology Startup Co-Founder</i>	<i>May 2016 – Aug 2017</i>

PROJECTS

Palette Pal	Phoenix, AZ
<i>User-Centric Color Palette Generator</i> Github Demo	<i>Mar 2023</i>
<ul style="list-style-type: none">Mapped the pixels of an uploaded image into RGB color space and implemented a k-means clustering algorithm to segment the image into dominant color valuesCreated a user-friendly interface that enables users to select the number of colors they want in their palette and copy the corresponding hex codesVisualized the data by projecting the image pixels onto an interactive 3D scatter plot	
Blue Cloud Music	Phoenix, AZ
<i>Personal Music Portfolio and Engagement Platform</i> Github Demo	<i>Feb 2023</i>
<ul style="list-style-type: none">Built a site for showcasing my music projects and connecting with fansDesigned and developed front-end functionality with ReactCreated custom artwork using Procreate and implemented animations using a combination of XML, CSS, and the Framer Motion libraryIntegrated Django to allow users to enter their email information and receive updates.Utilized React-player for seamless media playback from Spotify	
Drop The Ball	Phoenix, AZ
<i>Interactive Physics-based game</i> Github Demo	<i>Jan 2023</i>
<ul style="list-style-type: none">Created a 2D game using Vanilla Javascript and HTML CanvasDeveloped a virtual peg board environment with realistic gravity and accurate collision-based bouncingDesigned an intuitive GUI using CSS and JavascriptSent http requests to an external API as an additional application feature	
Robotic Systems Project	Atlanta, Georgia
<i>Georgia Tech Undergrad Final Project: Automated Serial Manipulator</i> Report	<i>Nov 2017</i>
<ul style="list-style-type: none">Designed the end-effector for a robot serial manipulator using SolidWorksWrote the OCR program for the vision system componentWrote the source code for the end effector motion paths using MATLABAuthored a final technical document in collaboration with a group of peers	