

Education

University of Nevada - Las Vegas
(Freshman)

August 2018 - Present

- Computer science major, math minor | Honors College

Southwest Career and Technical Academy

2015 - 2018

- **Valedictorian** - Weighted GPA: 4.8 / 4.8
- Web Development Student - studied 3 years of graphic design and responsive web development (Adobe certified in Illustrator and Photoshop)
- SAT - 1540/1600

Work Experience

CodeCentral

April 2018 - Present

Computer Science Instructor

- Teaching 7-17 y/o students HTML/CSS web development, programming in Javascript, robotics with Arduino, and game development in GameMaker Studio
- Developing thorough project-based PHP and MySQL curriculum for 20-50 advanced web development students

JoJo's Jerky & What Happened Las Vegas

Summer 2018

Web Developer

- Designed, built, and hosted e-commerce websites using Wordpress and Shopify
- Developed video gallery that auto-updates with YouTube upload
- Synced RSS feed to auto-update podcasts on website and host them on iTunes

Southwest Shadow - <https://southwestshadow.com/>

August 2017-May 2018

Journalism WebMaster

- Developed effective news layouts, integrated site with social medias, and built tools that enabled journalists with more creative power (embedding audio files into text, interactive images, polls)
- Website won All-Nevada award
- Received \$500 scholarship for developing and maintaining responsive website layout

Personal Projects

Frame - www.frame.co.com

August 2017 - April 2018

Website builder algorithm/website

Collaborative Project with friend

- Developed website builder algorithm in PHP that generates HTML/CSS code based on user's choices. User can then download code and continue building generated website in text editor
- Designed graphics, logos, favicons in Illustrator/Photoshop and developed **responsive** website
- Featured in city news program and won best original website award at school level

"3D Audio" Converter

July 2018 - Present

Python program that takes .wav file, edits the waveform, and outputs .wav file with surround-sound concert effect

- Using recursion and library called pydub to continuously fade left and right channels, creating surround-sound effect. Program works for any song length, and takes into account original volume
- Working on automating importing/exporting songs to mass produce 3D audio effect

Telemetry Visualizer

September 2018 -

Present

- Building visual interface from data collected by multiple sensors during rocket launch using C-based language for UNLV's rocketry team