

Mason Harlan

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Education

University of Nevada, Reno Reno, NV Pursuing a B.S. in Computer Science and Engineering	<i>Graduating: December 2021</i> <i>GPA: 3.88</i>
University of Edinburgh Edinburgh, Scotland Study abroad program in Computer Science	<i>Visiting Student: Fall 2019</i>

Skills

Frontend	Backend	Languages
React	GraphQL	Python
HTML/CSS	SQL/NoSQL	C/C++
Flutter	Node.js	JavaScript/TypeScript

Work Experience

Software Engineering Intern KAR Global, Reno, NV	<i>October 2020 - Present</i>
<ul style="list-style-type: none">Significantly reduced the number of security vulnerabilities to meet static code analysis requirements and to protect the integrity of the system.Collaborated with a graphic designer to create a better user experience and to seamlessly integrate the technical needs for the Cleardata mobile app.Performed system wide refactoring on RDN by reorganizing and restructuring code to increase the longevity and efficiency of the system.Designed database tables that align with the existing schema to maintain the malleability of the system during the development of new features.Developed high quality production software to meet customer's specific needs.	

Programming Projects

Patient Record System - Node/React	<i>September 2020 - Present</i>
An electronic patient record system designed for the San Carlos ambulance service in Sonora, Mexico. The system allows EMTs and other users to enter and access electronic patient charts from anywhere. The system dramatically improves upon the old workflows used with paper charts. It has positively impacted the quality of care by generating useful statistics and reports.	
Bird Bot - Python	<i>June 2020 - July 2020</i>
Bird Bot is an ornithology bot that uses the REST APIs for Discord and Twitter to serve bird images and information scraped from the web on the respective platforms. This simple bot allows users to request random bird facts and images, view specific birds, and learn about ornithology in a fun and interactive way.	
Photo Lab - C	<i>August 2018- December 2018</i>
A linux command line digital image processing tool. The "Photo Lab" takes in a .PPM file and can perform a series of digital image processing algorithms on the input image such as edge detection, brightness adjustment, mirror, and rotation. The tool can also animate hue rotation and saturation shift into a .YUV video file.	