



Kimberly Johnson

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Education

University of California San Diego

Bachelor of Science: Electrical Engineering, Computer System Design (June 2022)

Cuyamaca College

Associate in Science: Electrical and Computer Engineering (June 2019)

Skills

Primary Languages: C/C++, Python and Java.

Front End/UI Design: Figma, CodePen, HTML, CSS and JavaScript.

Backend/Deployment: Pyramid, Docker, MySQL and Digital Ocean.

Digital Circuit Design/Hardware: System Verilog, Arduino, Espressif and Jetson Nano.

Version Control: GitHub.

Tools: Visual Studio 2022, Visual Studio Code, PyCharm, IntelliJ and MobaXterm.

Projects

Diabetes Risk Predictor: An interactive Type II Diabetes risk predictor web application which utilizes a Logistic Regression model.

Relational Database Management Solution: Fully implemented in C++ 17 using the STL, design patterns, virtual interfaces, and persistent 1KB block storage.

Fully Autonomous Race Car: Powered by NVIDIA Jetson Nano with YOLO object detection.

Interact-Live: A minimum viable product IOT device which performs an action when a donation goal has been met through online donations.

Amazon Climate Pledge Redesign: A UX case study and proposed redesign of Amazon's filtering feature to promote their Climate Pledge items.

My Website: My portfolio website featuring the projects listed above.

Link: <http://kimberly-rose.net/> Website code publicly viewable on my GitHub, access to private repositories available upon request.