



# 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, 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 and more about me.  
Link to my website: <http://kimberly-rose.net/> Code viewable on my GitHub.