***Qiyu An***

1155 University Ridge

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Louisanb2010@live.cn

I just graduated with aMechanical Engineering (**ME**) degreeat University of Nevada Reno (**UNR**) in May 2016. All my internships are in Arduino field**.** I love working with Arduino and hope I can do it for living. I am also very interested in web development. I created a few websites on my own. I hope the company work for would like my **systematic problem solving skills, personable attitude** and **the enthusiasm of** **learning** skills related or unrelated to my major**.**

I **enjoy** coming up with different ideas and **analyzing data** to **solve problems**. **Facing challenges** is my way **to improve myself** to be a better person and engineer. I **like to get to know different people** and learn from their story and experience. I **value teamwork** the most through all my school projects because one can learn anything on the internet but not people skill. My great learning abilities allow me to **enjoy what I learned from school and my personal projects**. In my **spare time**, I **like learning SolidWorks, AutoCAD, Arduino and programing**. I was also an **active student** who likes to go to company tours and different events on campus, which allows me to **open** my **mind** and see the world outside of my normal routines.

Thank you very much for the opportunity and the time spent on reviewing my application!

Sincerely

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**Education**

University of Nevada Reno Mechanical Engineering Graduation Date: May 2016

**Skills**

Arduino(C/C++) •SolidWorks •Web development (node.js, JavaScript, HTML, CSS/Sass, grunt and compass) •MatLab •AutoCAD •LabVIEW •Excel •Basic Bootstrap and GitHub •Basic Machining •Basic Raspberry Pi (Linux/Python) •3D printing

**Work Experience**

UNR Knowledge Center (library) Aug 2012-May 2014

* Customer service to students, faculty, and community users at the Library Services Desk.

IBM (Poughkeepsie, New York) June-Aug 2015

* Summer Engineering intern: Designed a tracking device in Arduino platform.

DRI (Desert Research Institute) Sep 2015-April 2016

* Engineering intern: Designed air quality testing device with Raspberry pi and Arduino platform.

**Team Projects from School**

**Hovercraft** (fuel cell, relay, NXT and sensors): in charge of calculation, building and designing

**Bicycle Helmet Design**: brainstormed and tested different material options

**White Cane Redesign**: improved original cane based on feedback from a visually impaired person

**Lego Robot** (implemented sound, light, distance and magnetic sensors): racing car and mine-searching car

**Balsa wood bridge**: 0.45 lbs. bridge made from balsa wood that held 600 lbs. (good weight strength ratio)

**Personal projects in spire time**

**C++ games**: Made simple games, such as head tail game, to familiar myself with the language

**Simple coding projects**: Basic coding practice with C++, Linux and Python with Arduino and Raspberry Pi

**Capstone**: Designed and built a solar panel cleaner using Arduino. A quick demo at <https://www.youtube.com/watch?v=Ne5S9cAorKk>

**Website**: If you want more details (image/video) for the projects please visit: <https://louisanresume.herokuapp.com> which focused on front end. For back end development (SMS/Databases): <https://laundrytake.herokuapp.com>

**Activities**

* Volunteered at K12 outreach program: taught kids to use basic C# through gaming environment
* Volunteered and judged for FIRST Lego League (FLL) and *FIRST Tech Challenge (*FTC*)*

# Capstone project

Solar panel cleaning device





