WILSON MCDADE

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EXPERIENCE

uBreakiFix of Louisiana, LLC. — *Technical Electronics Specialist*

AUGUST 2017 - JULY 2019

- This job consisted of lots of troubleshooting and repairing electronics such as iphones, android phones, computers, and gaming consoles. I was also involved with front-of-house duties such as checking customers in and answering phones.
- Working here for almost two years gave me lots of experience with a changing work environment because we had to adjust to different corporate policies and partnerships.
- This job taught me how to deal with a customer in an instance where they are giving me their most important part of their life and it teaches me how to deal with this responsibility effectively.

Phyllis Taylor Fab Lab, Patrick Taylor Academy — *Student Worker*

SEPTEMBER 2016 - MAY 2019

- The Phyllis Taylor Fab Lab is a state of the art facility containing 6 3D printers, a laser engraver, an HTC Vive, and a myriad of other equipment with which students can learn.
- As a student worker in this facility, I experienced a work environment complete with job quotas and constant pressure to finish projects on time and efficiently.
- Part of my time as a student worker at Patrick Taylor was spent working in the school's IT department maintaining student and teacher laptops.

EDUCATION

Rochester Institute of Technology — *Bachelors — Computer Science Major — 3.33 GPA*

AUGUST 2019 - EXPECTED GRAD MAY 2024

PROJECTS

RTL-SDR Antennas — *Python, Raspberry Pi, SDR, Antenna*

wmcda.de/rtlsdr

- In this project I built multiple antennas and used them to download pictures from weather satellites and receive pings from aircraft transponders.
- I learned how to deploy two 24/7 systems (Flightradar24, Goestools), and how to track and ensure uptime.

Homemade Go-Kart — *C++, Arduino, PWM*

wmcda.de/gokart

- I took apart a treadmill and salvaged the motor, linear actuator, and motor controller.
- I had to find out how to send PWM signals to the motor controller with limited resources (datasheets, etc)
- I was able to make the motor and linear actuator move as well as receive data from the tachometer but could not complete the project because I wasn't able to design a go-kart frame

CERTIFICATIONS

Samsung Certified Repair Technician	Adobe Certified Associate in Photoshop
Google Certified Repair Technician	Adobe Certified Associate in Illustrator