Cell: (608) 381-1145   **Email:** vkottler@wisc.edu   **Address:** 4515 Oak Valley Rd, Cross Plains, WI 53528

Vaughn Kottler

Education: **UW-Madison** (Dean's List 3/4 semesters) *GPA: 3.42*
              Majors: Computer Engineering (Degree Program), Computer Science
              Middleton High School Graduate (AP Scholar)

Work: **State Farm (**Software Development Intern) *Summer 2016*
              -Web Application: Spring Framework, Angular. Encryption & TDD

              UW Plasma Physics (Student Hourly, Computing) *Spring 2015-Present*
              -Web Developer & Server Administrator. *Where it all began for me*

Skills: **PCB & Circuit Design, Hardware Programming, Soldering & Prototyping**
              -Microchip Microcontrollers in MPLAB, AVR Studio, Arduino IDE
              -Particle API / Cloud connected devices (http://bit.ly/2ahMN4O)

       Hardware Communication Protocols: *Serial/UART, I2C, CAN, SPI*
              -Have written drivers from scratch for each! Looking to add TCP/IP

       Web Development (Full Stack): *Design, Architecture, and Implementation*
              -PHP, Javascript/ES6, Node, Java EE, minimal Ruby, HTML & CSS
              -*Frameworks:* Spring, Angular w/ Angular-Material, Bootstrap
              -Team/Project Lead (non-Agile) Experience, looking to add Agile!
              http://vaughnsplayground.me - check out my latest work!

       DBMS & Server Administration: *CentOS, Ubuntu, Raspbian*
              -Bash Scripting: my own custom dynamicDNS solution script
              -Apache/NGINX Configuration - virtual hosting and use of plugins
              -Fan of MySQL & Postgres, experience with IBM DB2 & SQL Sever

       Programming: Java, Python, C/C++ ; https://github.com/vkottler/
              -Experience programming with multiple threads and Sockets in Java
              -Interested in OpenGL and multiplayer peer-to-peer game development

Involvement: **Software Development Club:** Technology Chair
              Badgerloop: Controls Team Lead (www.badgerloop.com)
              Phi Delta Theta Fraternity Founding Father:
                      Server Admin / IT Committee

Awards: UW Madison - Intro to IoT Hackathon - First Place
              HackIllinois - Best Use of Intel's Microcontrollers - Third Place
              http://devpost.com/VDoer and https://www.hackster.io/vkottler/ for reference

Hobbies: Rubik's Cube / Speedcubing, Guitar, Piano, Weightlifting, Hockey
              Basketball, Hardware Hacking & "Making", PC Gaming
              PC Building & Home Servers, Pygame & White-Hatting