

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 with Distinction*)
- Work:** **State Farm** (Software Development Intern) *Summer 2016*
-Web Application: Spring Framework, Gitlab, Maven, Angular. Encryption & TDD
- UW School of Engineering** (ULC Campus Tutor) *Fall 2016 - Present*
-Data Structures (*CS 367*), Signals Information and Computations (*ECE 203*)
- UW Plasma Physics** (Student Hourly, Computing) *Spring 2015 - Spring 2016*
-Web Developer & Server Administrator. *Where it all began for me*
- Skills:** **PCB & Circuit Design, Hardware Programming, Soldering & Prototyping**
-Microchip/TI/Atmel Microcontrollers in MPLAB, Keil uVision, Arduino IDE
-Particle API / Cloud connected devices (bit.ly/2bV8BCR)
- Hardware Communication Protocols:** *Serial/UART, I2C, CAN, SPI*
-Have written drivers from scratch (in C) for each! Looking to add TCP/IP
- Web Development (Full Stack):** *Design, Architecture, and Implementation*
-PHP, Javascript/ES6, Node, Java EE, minimal Ruby w/ Rails, HTML & CSS
-*Frameworks:* Spring, Angular w/ Angular-Material, Bootstrap
-www.vaughnsgplayground.me - check out my latest work!
- DBMS & Server Administration:** *CentOS, Ubuntu, Raspbian*
-Bash Scripting: dynamicDNS solution, OS refresh, generic automation (Cron)
-Apache/NGINX Configuration - virtual hosting and use of plugins
-Fan of MySQL & Postgres, experience with IBM's DB2, SQL Server, CouchDB
- Programming:** Java, Python, C/C++, x86 ; 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
 devpost.com/VDoer and www.hackster.io/vkottler/ for reference
- Hobbies:** Piano, PC Gaming, Guitar, Weightlifting, Hockey
 Basketball, Hardware Hacking & "Making", Rubik's Cube / Speedcubing
 PC Building & Home Servers, Pygame & White-Hatting