

Vikas C Potluri

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Education

Texas A&M University - Electrical Engineering (Junior), Cyber Security + CS Minor 8/2016 – Present

- Technical Coursework: Electric Circuit Theory, Introduction to Digital Systems Design
- Current Coursework: Signals & Systems, Electronics, Computer Architecture., Electric & Magnetic Fields

Skills & Abilities

Programming

- **Languages:** Verilog, Java, Node / JavaScript, MatLab, HTML, CSS, PHP, MySQL, Shell, LabView
- **Tools & OSes:** MS Windows, Linux, OSX, iOS, Android, Raspberry Pi, Arduino, Git, Gulp

Leadership

- Acted as Secretary, Logistics Manager, and Webmaster of Westwood Robotics Club, 2014-2016
- Initiated the process of making *Hour of Code* a district wide effort in Round Rock ISD
- Served different leadership roles in Boy Scouts, including Junior Asst. Scoutmaster and Scribe

Design

- Core member of local Robotics club for 5 years; played a lead role in designing award winning robots using the engineering process
- Actively developing websites and creating different out of the box projects to aid web development
- Designing and implementing a secure election framework to simplify and automate elections

Project Management

- Contribute to several open source projects, developing and releasing projects using agile development practices
- Developed 8 websites and themes for a variety of clients within a provided deadline

Experience

Founder & Developer – HexR

4/2014 – Present

- Design, develop, maintain and manage websites for non-profit organizations and small businesses
- Maintain organizational IT assets – domain, website, security, server maintenance, etc.
- Currently focusing on developing and improving Ghost (an open source publishing platform) libraries

Round Rock ISD

7/2015 – 1/2018

- Helped RRISD migrate to WordPress. Explored & recommended plugins to increase productivity by 60%
- Designed and developed websites for few departments and developed a custom plugin
- Contracted as the only consultant the school district has had

Solar Panel Efficiency – Science Fair Research Project

2014 – 2015 Science Fair

- Designed and implemented a study to evaluate performance of static and dynamic solar arrays using the scientific method with a partner
- Used a variety of software and hardware to safely dispose of excess power and automatically collect results

Achievements

- Achieved Eagle Scout (Highest Rank in Boy Scouts) in 2012
- Advanced to the Texas Science and Engineering Fair in 2014
- Advanced three times to State level in DECA for creativity and development of marketing strategies
- Participated in Robotics and advanced to state level for 4 years, and received several awards every year