Austin Coffman

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EXPERIENCE

Cosworth Electronics | Indianapolis, IN | *Motorsport Electronics*

Applications Engineer June 2017 – Current

- Develop and maintain software in a source-controlled environment
- Provide support to customers using our in-house software
- Manage the "Live on Air" WiMAX 3G telemetry system for the IndyCar Series
- Create documentation for active software/products, including user guides
- Triage bugs and work together to find solutions
- Interface with executive customers and high-level engineers
- Perform data analysis and problem solving, identifying problems and solutions
- Configure several advanced motorsport electronics (Data loggers, ECUs, etc.)

TECHNICAL SKILLS

Languages

- C/C++/C#, .NET, Bash/Shell, JavaScript, HTML5/CSS3, Python3, SQL, MATLAB

Technologies/Environments

- Windows, Unix/Linux, Team Foundation Server, GitHub, Visual Studios, WPF, MVVM, MVC, Node.js, Apache, IIS, Virtual Box

NOTEABLE PROJECTS

V2X Telemetry System

- Sole project lead and developer for Cosworth's new V2X technology-based telemetry system, meant to replace the current "Live on Air" telemetry system. This development includes writing code for the hardware (Linux based), duplicate UDP packet filtering server (Linux based), multiple UDP streams to TCP server distribution and decoding server (.NET based), and several diagnostic tools (various). [2019 – Present]

LOA Stream Server

- Data management server for Cosworth's "Live on Air" telemetry system for the IndyCar Series. This set of tools processes on car data (UDP/TCP/CAN/Serial) sent via a Cosworth's maintained WiMAX 3G Network and parses it into formatted user specific streams of data that the IndyCar teams use and rely on during events. Several tools are in this suite, some of which are used to ensure connections are adequate and provides real time data from every sensor on the car (data logger). [2017 – Present]

EDUCATION

Indiana State University | Terre Haute, IN August 2013 – May 2017

- B.S. in Computer Science with a concentration in Computing Science

AWARDS

- Received a commendation from Cosworth for leading, developing, and meeting crucial deadlines of the V2X Telemetry System rollout and implementation. [2019]