

## **Bill Stuck**

Phone: (615) 509-3503

Email: bill@wws2.net

Portfolio / Website: www.wws2.net

Nonprofit Website: www.designabilityinc.org

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My practical experience and problem-solving skills allow me to thrive in challenging or hands on environments. When looking at tasks or issues, I approach them from a what if scenario to help promote practical and solid solutions. As a confident, versatile, and motivated individual with a proven record of excellence along with a forward-thinking approach to problem solving I can easily adapt to changing environments. I am also very capable and able to meet and exceed expectations in quality and design while staying on target.

### **PROFESSIONAL EXPERIENCE:**

Design Ability Inc, Brentwood, TN

2012 – Current

#### **Mechanical / Electrical Design Engineer / Prototype Fabricator**

- Design state of the art joystick controlled 4x4 side-by-side vehicles for individuals with disabilities
- Design control automation using motor controls, feedback loops, gear motors and actuators
- Design heads-up display / control systems for full vehicle automation with single joystick interface
- Design and prototype of advance system integration harnesses used in off-road vehicles
- Design and prototype of micro-controller and relay logic systems using open-source technologies
- 3D design and layout of parts and assemblies used for 2D drawings and instruction sheets
- Project Management and Project Development of multi-use adaptive recreational vehicles
- Oversee build schedules and procurement schedules for prototype design builds
- Prototype and fabrication of adaptive recreational vehicles for individuals with disabilities
- Installation of software and firmware updates to support various control units
- Roboteq Motion Control Solutions Partner for custom motion control design applications

### **EDUCATION:**

**B.S. Business** - Barry University, Miami, FL

**A.S. Electrical Engineering** - GNHS College, New Haven, CT

### **SOFTWARE USAGE AND GENERAL KNOWLEDGE SHEET**

#### **CAD / 3D Software:**

- AutoCAD – Installation, Setup, General Usage, Configuration and Admin
- Catia V5 – 3D modeling, 3D Harness Design, 2D Drawing, Configuration and Advanced Usage
- SolidWorks 2012 – 3D modeling, 2D Drawing and General Usage
- TinkerCAD – 3D modeling and General Usage

#### **Office / Imaging / Web Design / FTP / Backup/ Misc Software:**

- Comfortable using multiple software packages for both single office and multi-office environments