

## Internship Positions at n<sup>th</sup> Solutions, LLC

### Engineering

#### **Java Developer:**

Develops Java based code for embedded controls including testing, improvement, and documenting development. Should be able to work independently and collaboratively to develop programs.

What to Bring:

Expertise with the Java Programming Language

What you Will Gain:

Experience with User Interface development and rapid problem-solving skills

#### **Physics / Data Analyst:**

Applies physics theory and mathematics to real-world problems to aid in the development of consumer products. Prior coursework in Physics is a requirement.

What to Bring:

Proficiency with Microsoft Excel, physics, and mathematics (entry-level calculus is recommended) and some experience with programming languages

What you Will Gain:

Experience with applicable physics and data analysis

#### **CAD Specialist:**

Applies knowledge and experience in the development of 3D models to aid in the development of consumer products.

What to Bring:

Proficiency with Autodesk Inventor, knowledge of 3D Printing processes

What you Will Gain:

Experience with 3D Printing, dimensioning, official design, work product documentation

#### **Mechanical and Electronics Engineer:**

Applies knowledge and experience in the development of consumer products.

What to Bring:

Basic understanding of robotic components (motors, drivers, etc.,) knowledge of electronics and computer software.

What you Will Gain:

Intuition with mechanical product engineering and reverse engineering strategies

#### **Associate Firmware Engineer:**

Develops code for embedded controls including testing, improvement, and documenting development. Should be able to work independently and collaboratively to develop programs.

What to Bring:

Familiar with or willing to learn C-like programming languages (BASIC, ARDUINO C preferred)

What you Will Gain:

Knowledge with product conceptualization, schematics, and development

## **Marketing**

### **Web Developer:**

Develops websites for clients and consumer products. Works collaboratively with the entire marketing team to achieve websites which are engaging, creative, and deliver on a clear Call-To-Action.

#### What to Bring:

Knowledge of HTML, CSS, JavaScript, J-Query, and WordPress

#### What you Will Gain:

Expertise in troubleshooting, front-end design, research

### **Graphic Designer / Video Editor:**

Designs flyers, brochures, and graphic elements, in addition to creating videos to support all marketing tasks for clients. Position requires the ability to creatively think through the process of creating design elements from initial concept through final draft.

#### What to Bring:

Proficiency or a willingness to learn design software (Adobe Photoshop and/or Adobe Illustrator) and Adobe Premiere, knowledge of filmmaking and aesthetics, some photography skills recommended

*\*Digital Art portfolio required (drawings, films, school projects are all sufficient)*

#### What you Will Gain:

Understanding of applicable marketing strategies, creative direction

### **Article / Web Content Writer:**

Draft articles related to assigned subject matter, aid in the development of website copy, and create social media posts which creating engagement with the audience. Also responsible for maintaining social media accounts including Facebook, Linked In, and Instagram.

#### What to Bring:

Notable skill in cohesive creative and technical writing, managing social media, and research

*\*Sample writing required (written articles, blog posts, or school essays are all sufficient)*

#### What you Will Gain:

Insights into marketing strategy in product development, professional communication, published work, and creative direction.

## **Manufacturing**

### **Electronic, Electrical, Mechanical Assembly**

Work with Printed Circuit Boards (PCBs), soldering, assembly of electrical and mechanical sub-assemblies. Perform Quality Control checks. Maintain production records as directed.

What to Bring:

Basic mechanical aptitude and steady hand for soldering small electronic components.

What you Will Gain:

Knowledge of electrical, electronic, and mechanical design and manufacturing.

### **Shipping / Receiving**

Responsible for tracking incoming packages from vendors. Packaging final assembled parts and prepare for shipping to customers. Maintain shipping records as directed.

What to Bring:

General organizational skills. Ability to lift up to 50 lbs.

What you Will Gain:

Knowledge of shipping practices and warehouse procedures.

### **Inventory Control**

Responsible for accurate counting, tracking, and reporting of current inventory levels of various components used in manufacturing. Maintain inventory control records as directed.

What to Bring:

General organizational skills. Ability to maintain an attention to detail.

What you Will Gain:

Knowledge of warehouse and manufacturing procedures.

### **Warehouse Management**

Responsible for all operations in the warehouse of the manufacturing facility. Oversight of the shipping / handling process as well as inventory control operations.

What to Bring:

General organizational skills.

What you Will Gain:

Ability to transfer this knowledge to the logistical operations of a manufacturing operation.

### **Logistics**

Intern will have already been involved in one or more of the above positions. Assists in maintaining order flow; prioritizing orders based on business needs and customer demand.

What to Bring:

General organizational skills. Knowledge of one or more of the positions noted above. An ability to stay organized in a rapidly changing environment.

What you Will Gain:

Ability to translate learned skills to larger operations.