

# Christopher Bailey

## Design Engineer

Croydon, PA - Email me on Indeed: [indeed.com/r/Christopher-Bailey/d690f92b445447c9](https://www.indeed.com/r/Christopher-Bailey/d690f92b445447c9)

A highly innovative Design Engineer with 20 years' experience in comprehensive product development. A seasoned professional with the ability to manage ongoing customer, and vendor relationships.

### WORK EXPERIENCE

#### **Design Engineer/ Sr. Industrial Designer**

Princeton Tec - Bordentown, NJ

##### Responsibilities

- Responsible for creating new product designs, producing complex parts and assemblies of sport lights for the outdoorsman; from concept sketches to final engineering packages.
- Familiarity with manufacturing and mold design processes, materials, and stack tolerances.
- Responsible for all company Engineering Change Orders and the regulation of all documents in the company's database such as generating part numbers and B.O.M.'s.
- Strong abilities in SolidWorks 2014 and add-ins such as FeatureWorks and Solidview 360.
- Produce looks-like/works-like prototype models for use in catalogs, brochures, and Exhibit and Tradeshows.
- Solid working knowledge of Keyshot 3 render package for illustrations for Sales/Marketing buy-in.
- Extensive knowledge of RP processes, including in-house Objet 30 3D printer.
- Knowledge of PC Board layouts.
- Experience working with certification companies such as Intertek and Underwriter Labs for product listing and intrinsic safety compliance.

#### **Design Engineer**

Allentown Inc - Allentown, NJ - October 2005 to November 2010

Create designs for animal care products used for Biomedical Research

- Create engineering drawings, which includes B.O.M. and customer product releases.
- Work directly with manufacturing to design and create fixtures to assist in the manufacturing process.
- Abilities in SolidWorks 09 and add-ins such as FeatureWorks, PhotoWorks, Cosmos Express, and PDMworks

#### **Solidworks Designer**

Princeton Tec - Bordentown, NJ - July 2003 to August 2005

Work directly with Designers, Electrical, Mechanical and Manufacturing Engineers to assist in producing complex parts and assemblies of sport lights for the outdoorsman.

- Responsible for the creation of all engineering drawings.
- Abilities in SolidWorks 07 and add-ins such as FeatureWorks, PhotoWorks, and Cosmos Express.
- Produce functional and non-functional models for use in catalogs, brochures, and consumer product shows.

#### **Journeyman Modelmaker/Solidworks Operator**

Product Dynamics LTD - Levittown, PA - April 2001 to July 2003

Created Solidworks part files from client's sketches and engineering drawings to be prototyped via SLA.

- Experienced in the use of all traditional shop tools.
- Extensive use of paint finishes and techniques.
- Familiarity with light gear, pulley designs, small mechanisms, as well as minor electronic wiring responsibilities.

## **Photoshop CS3, Illustrator CS3**

Familiar - 1994 to 1994

## **EDUCATION**

### **Bachelors of Science in Industrial Design**

The Art Institute of Philadelphia - Philadelphia, PA  
2012

### **Industrial Designer / Design Engineer**

Princeton - Berlin, NJ  
November 2010

### **Associate of Science in technology**

The Art Institute of Pittsburgh - Pittsburgh, PA  
1993