

# Christian "CJ" Bonomo



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📍 Miami, FL

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## 📄 PROFILE

Hello! I am a mechanical/product development engineer based in Miami, FL. I have a keen attention for detail and observation, with consideration towards aesthetics and functionality. Additionally I am responsible for product compliance to various global directives. I am flexible, quick to pick up new skills, able manage projects, and eager to learn from others.

Let's connect!

## 🎓 EDUCATION

**B.S. Mechanical Engineering**  
Florida International University

**B.S. Criminology**  
Florida State University

## 📁 PROFESSIONAL EXPERIENCE

### FK Irons/Microbeau

Mechanical & Compliance Engineer

01/2021 – present | Miami, FL

- Team lead responsible for direction, review, and approval of project design and changes in accordance with ISO 9001
- Design of industry leading tattoo machines primarily using CNC and plastic mold injection techniques
- Create and interpret technical drawings per ASME Y14.5 GD&T
- Establish quality inspection methods
- Develop and monitor all aspects of production, including selection of manufacturing methods, fabrication, and assembly
- Evaluate feasibility of design ideas based on factors such as appearance, safety, function, serviceability, production costs/methods
- Confer with electrical engineering, marketing, production, and sales departments to establish and evaluate design concepts for manufactured products.
- Participate in new product innovation planning
- Direct the preparation, submission, and correspondence of laboratory testing in pursuit of global product compliance standards (CE, UL, IEC, FCC, RoHS, REACH)
- Consult with corporate legal counsel as necessary to address difficult legal product compliance issues

### FK Irons/Microbeau

Mechanical Design Engineer

11/2018 – 01/2021 | Miami, FL

- Product design under guidance of Senior Eng. and founder.
- Creation of technical drawings under direction of Senior Engineer
- Development and validation of prototypes using SLA, FDM, and SLS 3D printers
- Vendor sourcing and validation
- BOM and SKU generation

### FK Irons/Microbeau

Machinist

07/2018 – 11/2018 | Miami, FL

- Setup and adjust multi-axis, bar fed CNC lathes, mills and Swiss machines
- Measure parts according to engineering drawings.

## 📄 PATENTS

**Switch for Tattoo Machine** (Publication # 20220257917)

**Microblade Device** (Application # 29877423 - PENDING)

**Grip with Disposable Barrier** (Application # 63438706 - PENDING)

**Grip with Disposable Barrier** (Application # 63470130 - PENDING)