

SKILLS

Schematic Design
PCB Layout Design
Rapid Prototyping
Mechanical Engineering
Testing & Debugging
Reverse Engineering
Model Aircraft Design
Embedded Systems
Team Leadership
Problem Solving

TECHNICAL

Experienced:

Altium P-CAD, SolidWorks,
Altium Designer, AutoCAD,
ArtCAM, Vectric, Mach3,
CAM & CNC Tools,
3D Printing

Working knowledge:

CAN, UART, SPI, I2C,
RS232, RS485, PWM,
CPPM, SBUS, BLE, Analog
& Mixed Signal Circuit
Design, CNC & Laser
Equipment, MCU
Firmware Programming, C,
Linux, RC Model Aircraft
Electronics

EDUCATION

MS, INFORMATION TECHNOLOGY

Plekhanov Russian
University of Economics
Moscow, Russia

VOLUNTEER

PROJECT CONSULTANT

Armada Aeronautics
Santa Clara, CA
2019 – present

PROFILE

Electrical Engineer with 10+ years of experience. Key strengths are designing low power electronics, developing automated hardware, reverse engineering, and manufacturing mechanical parts. Passionate about refining custom integrated solutions. Assembled more than 50 RC aircraft models for national shows and events. Innovative, analytical, hands-on approach.

EXPERIENCE

ELECTRICAL DESIGN ENGINEER

EscapeSF | San Francisco, CA | Aug 2014 – present

- Designed 5 escape room games including assembly and validation of hardware, sound effects, electronics, and props
- Developed full designs, drawing packages, and assembly instructions
- Collaborated cross-functionally with scriptwriters and owners to maintain and improve the existing games
- Procured hardware from suppliers in Russia and coordinated manufacturing in the US
- Schematic & PCB layout design, PCB manufacturing, MCU firmware, CNC & Laser cutting, 3D printing, Mechanical design

HARDWARE ENGINEER

Dedicated Drones | Moscow, Russia | Apr 2018 – Mar 2019

- Designed interconnection PCB for the main CPU module and peripheral sensors
- Developed and programmed multiple servos control driver PCB for drone prototypes
- Schematic & PCB layout design, PCB manufacturing, MCU firmware

ELECTRICAL ENGINEER/MANAGER

QuestPlay | Moscow, Russia | Jan 2013 – Aug 2016

- Managed a team of 5 including software engineers, electricians, and assembly specialists
- Designed all electronics for 2 escape room games including assembly and hardware validation
- Collaborated with owners and scriptwriters to maintain and improve the existing games
- Schematic & PCB design, PCB manufacturing, Team management, MCU firmware, CNC & Laser cutting, Mechanical design

TECHNICAL PROJECT MANAGER

Aviatrix | Moscow, Russia | Mar 2010 – Oct 2014

- Managed international procurement and supply chain of 15+ aircraft manufacturers from China, Czech Republic, Germany, Austria, Japan, and the US
- Designed different electronic devices for RC Aircrafts
- Assembled and demonstrated RC aircrafts at national shows
- Team management, Mechanical design, CNC & Laser cutting, Schematic & PCB design