

# Bo Yuan

## Electrical Engineer Intern (Part-time) - Aviana Molecular Technologies

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Bo-Yuan/55d3df5b5df27853](https://www.indeed.com/r/Bo-Yuan/55d3df5b5df27853)

### WORK EXPERIENCE

#### Electrical Engineer Intern (Part-time)

Aviana Molecular Technologies - Philadelphia, PA - July 2012 to Present

Analyzed and solved critical issues on medical device design and test, communicated with cross-functional department

- Programmed in NI Labview for user control interface for Agilent 8753E network analyzer and HP 3478A digital multimeter
- Programmed for communication between Matlab and Labview with functions of plotting, data acquisition, file import/export, conducted sensor experiments, data processing, troubleshot electrical and control problems
- Participated in designing the biosensor s-parameter testing system with RF circuit considerations and did system calibration

### EDUCATION

#### Master of Science in Engineering and Applied Science

University of Pennsylvania - Philadelphia, PA  
September 2011

#### Bachelor of Science in Engineering

South China University of Technology  
September 2007 to June 2011

FSAE Team of South China University of Technology - Guangzhou, CN  
July 2010 to May 2011

### ADDITIONAL INFORMATION

#### TECHNICAL SKILLS

Programming Languages/Software

C, C++, Java, MATLAB/Simulink/GUI/mtest/tmttool, NI-Labview, NI-VISA, AVR Studio, Keil/uVision, CodeWarrior, Eclipse, EAGLE, Protel, Master-CAM, SolidWorks, AutoCAD, Unigraphics/NX, Autodesk Inventor, ANSYS, Fluent, Microsoft Office, etc.

OS: Windows, Linux, Mac, NanoRK(Realtime Embedded System)

Hardware: Atmel/ARM/Freescale MicroController, DC/Stepper/Servo Motors, IMU/Encoder/Camera Sensors, Communication:

UART/SPI/I2C/USB Protocol, Bluetooth/XBee/Wifi/GPIB/BMAC Module