Steven Eisinger

Education

2017–2018 **Self-Driving Car Engineer Nanodegree**, *Udacity*, Online.

2011–2016 **Bachelor's of Engineering**, *CUNY City College of New York*, New York, NY.
Major: Computer Engineering

Experience

2017–present **Clinical Research Manager**, *Shade*, New York, NY.
Detailed achievements:
- National Science Foundation Phase I SBIR Grant
  - Designed circuit, board, and firmware for a prototype ultraviolet index sensing device.
  - Designed robotic arm, control script, and firmware to automate ultraviolet index sensing at different angles.
  - Conducted statistical analysis on collected data in R.
  - Developed algorithm for improved erythemally weighted ultraviolet index (UVI) sensing.

2016–2017 **Manufacturing Test Engineer**, *Shade*, New York, NY.
Detailed achievements:
- Functional Testing Implementation
  - Develop testing firmware for Cortex-M0 based microprocessors in C.
  - Develop software for functional test and calibration systems in Python.
  - Design system capable of testing 50 devices per hour.
- Hardware Experience
  - Printed circuit board design and assembly for customized test systems.
  - Solder surface mount components of package size 0402 and larger.
  - Use an oscilloscope, DMM, and SMU to manually perform functional tests.
  - Knowledge of motor, battery, op-amp, sensor, and MCU integration.
  - Experience with I2C, UART, SPI, and Bluetooth 4.0 (BLE).
- Documentation Experience
  - Write and maintain quality documents for calibration, validation, and operation of the functional test system.

2016 **Electrical Engineering Intern**, *Shade*, New York, NY.
Implement first iteration of a functional test system for the Shade sensor.

2015 **Engineering Intern**, *InYourClass*, New York, NY.
Developed a prototype for an 'Internet of Things' device for use in classrooms using a Raspberry Pi.

Proficiencies

programming	C, C++, Python, Bash, R, Matlab, Assembly
concepts	Machine Learning, Deep Learning, Computer Vision, Firmware, Object-oriented Programming
architectures	x86-64, ARM, PIC, Arduino compatible devices
software	Electrical CAD (Eagle), Git, Multisim, ModelSim, Tensorflow, scikit-learn

References available upon request