

# Ian Huntress

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<http://ianhuntress.github.io/>

## EDUCATION

### **Rensselaer Polytechnic Institute (RPI), Troy NY — Bachelor of Bioinformatics and Molecular Biology**

August 2013 – Expected: May 2017

Cumulative GPA: 3.4

My interests lean slightly toward the computational side of Bioinformatics. Therefore, I am pursuing a minor in computer science in the classroom while pursuing technical experience in the lab.

## EXPERIENCE

### **Dr. Xing Wang Lab, RPI**

Summer 2015 – Present

Produced proteins from gene insert to glycerol storage: transformation, colony PCR, culturing, harvest, purification, analysis.

Broad exposure to a variety of lab techniques, agar/protein gels, PCR, BLS-1 protocol, DNA purification and vector design

### **Cell Biology Lab, RPI**

Spring 2014

Lab basics are rolled into a dry-run publication project based on group Analysis of Quorum Sensing in E.Coli

Team project planning, project presentation, and scientific journal publishing formats

### **UPAC Lights, RPI**

Fall 2013

Lighting company for on-campus events.

Hardware troubleshooting, cooperative technical labor, and webmaster

## SKILLS

### **Problem solving in Lab –**

The best fix for a broken procedure is a combination of careful lab notes and diligent literature research.

### **Data analysis –**

Find the right tool for the right job, node.js for asynchrony, C++ for speed, BLAST for edit distance, FFT for signal processing.

## PROJECTS

### **T7 endonuclease interactions with 4-arm DNA junction – Wang Lab**

The project required accurate construction, cataloging, and analysis of many T7 reactions in order to describe its binding specificity for 4-arm DNA junctions.

## AWARDS

RPI Dean's List

## Coding Experience

C++, Python, CUDA, Java

Linux: Ubuntu

Javascript, PHP, HTML

SQLite

MATLAB, SPSS