

Ian Huntress

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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

