

## WEBSITE

eoisaacs.com

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# Eric Isaacs

As an engineering student with a broad range of interests and experience, I offer valuable perspective and a capable set of skills in engineering, environmental systems, and scientific communication through various media.

## Experience

### BIOLOGICAL SCIENCE AID

U.S. Dept. of Agriculture  
Corvallis OR  
Summer 2014

Maintained equipment, conducted small and large-scale experiments concerning air movement (microfronts, stratification, etc.) as a vector for fungal spores in vineyards. Managed a small research vineyard and disease-free greenhouse.

### PRODUCTION TECHNICIAN

ShelterWorks Ltd.  
Philomath OR  
Summer 2013

Assisted with the production of sustainable building materials in a factory setting. Operated forklifts and other heavy machinery including a custom production line. Maintained equipment and workspace to operating standards.

### BIOLOGICAL SCIENCE INTERN

U.S. Dept. of Agriculture  
Corvallis OR  
Summer 2012

Developed bark wetness sensors, programmed data loggers, propagated plant tissue, performed lab and field tasks and documented procedures for future research. Presented research at a public symposium at the University of Portland.

## Education

### MICHIGAN TECH

B.S. Environmental Eng.  
Expected 2017

### COURSE WORK

HU4693 Science Writing  
ENG1101 Engineering Fundamentals  
SS2100 World Peoples and Environments  
GE2000 Intro to Geology

## Involvement

### VELOVATIONS BICYCLE DESIGN ENTERPRISE

Engineering team member. Worked with major bicycle industry companies inc. Cane Creek and Saris. Developed adaptive exercise equipment for wheelchair users. Developed new website for Velovations.

2014 to present

### COPPER COUNTRY CYCLING CLUB

Officer and race team athlete. Organized a USA Cycling-sanctioned race and planned club events.

2014 to present

### SOCIETY FOR TECHNICAL COMMUNICATION

Student chapter member.

2015 to present

## Software

AUTODESK AutoCAD, Inventor  
SIEMENS NX  
MATHWORKS Matlab  
MICROSOFT Excel, Word, Powerpoint  
ADOBE Photoshop, Illustrator, InDesign, Lightroom  
APPLE Mac OSX, iMovie

PYTHON, JAVASCRIPT,  
JQUERY, HTML, CSS

## Skills & Abilities

- Friendly and approachable
- Welcomes criticism and provides feedback in a constructive manner.
- Works well alone or in teams
- Excellent writing and speaking skills
- Communicates professionally and courteously
- Mechanical aptitude and spacial skills
- Broad knowledge base
- Awareness of social, environmental, and economic context of engineering and communication projects