

# Jesse Ellin

Looking for Spring-Summer 2021  
Co-op in systems engineering,  
artificial intelligence/cognitive  
modeling/multi-agent systems



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## Education

B.S. Computer Science & Cognitive  
Science

B.S. Mathematics

Rensselaer Polytechnic Institute

| 2022 | Running cumulative

GPA:3.49

Relevant Classes:

(In progress) Intro to Algorithms,  
Principles of Software, Graph Theory,  
Cognitive Psychology

(Completed) Foundations of  
Computer Science, Computer  
Organization, Intro to Linguistics,  
Data Structures, Intro to Formal  
Logic, Intro to Cognitive Science,  
Intro to Computer Science

## Projects

Ongoing:

- Personal website (HTML, CSS,  
embedded Java/JavaScript)
- Simple chess AI (C++/C)

Completed:

- MIPS32 processor multiprocessing  
emulation (team project, Python)

## Extra-Curricular

- Strings Theory (music group, from  
Spring '20): Bass and acoustic guitar;
- Rensselaer Chamber Orchestra  
(from Spring '19): Percussion line;
- Interim President & Vice President  
for Capoeira RPI (from Spring '19):  
Running classes & organizing events  
& groups;
- Gap Year (2017-2018):  
International travel & cultural  
immersion in Europe & Africa;
- Assistant Coach @ Parkour Visions  
(2014-2017): Assisting coaches in  
parkour classes for students of  
various age, race, nationality, identity,  
sexuality, mental health, & ability.  
Leading a class & helping any staff  
member at any time for any task

## Work Experience

From Jan'19 Mentor & Undergraduate Research Participant RPI, Dr. James Malazita  
Helping develop a new pedagogy for Introduction to  
Computer Science courses that focuses on the ethics & societal  
impacts & influences of algorithms & systems (see Research &  
Projects section)

Summer'18  
&'19

Manual Laborer

Independent Contractor

Performed various woodworking tasks for reconstruction &  
renovation on houseboats

Manual demolition & re-siding of a small building

Summer '19 Manual Laborer

BicknerNW DanceFloors

Helped with removal, transportation, & installation of dance floors for  
corporate & private events. Involved moving objects > 50 pounds

## Research & Skills

From Jan '19

Undergraduate Research Participant; Dr. James Malazita,  
Critical CS1

*Mentor:* Helping students in a Computer Science 1 lab & being  
in frequent communication with department administration to  
make sure course work was comprehensible & effective for  
students' education

*Researcher:* Helping develop a methodology & coursework to  
learn Computer Science with a focus on ethics & the societal  
impacts & influences of algorithms & systems. This work  
includes: analyzing student responses to classroom  
discussions & lectures; writing lab projects, revising & writing  
homework, finding relevant articles & journals to  
augment lab projects & homework; & reaching out to other  
departments, universities, researchers, & professors to  
expand the reach of our project & get new ideas

Programming Languages

(Formal) Latex, Java, C, C++, Python, RobotC  
(Familiar) HTML, JQuery, Ruby, JavaScript

World Languages

(Formal) French (intermediate), Spanish (beginner),  
German (beginner)  
(Familiar) Various

Technical

Design : Inventor Autodesk, Adobe Photoshop, MS Office  
Interface: CMD, Ubuntu, Git

Leadership

Sports instructor; martial arts club vice president and interim  
president; research project team lead

Other

First-aid, CPR, AED training

## Previous Education

Ballard High School

Class of 2017

Project Lead the Way: 4 years

Engineering courses designed by Rochester Institute of  
Technology, run by Ballard High School