Jesse Ellin

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

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🌐 https://github.com/ellinj2/Past_Projects

Education

Bachelor of Science: Computer Science & Cognitive Science dual Mathematics minor
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