Keith Allen

Sodus, NY Email: kallen20@oswego.edu Github: https://github.com/KeithTAllen

EDUCATION	Bachelor of Science, Applied Mathematics & Computer Science SUNY Oswego Honors College, Oswego, NY, December 2023
WORK and RESEARCH EXPERIENCE	Automated Ontology DesignJan 2023 to PresentSince January I have worked with a team building a Dialog Based Ontology Learner(DBOL). The DBOL is a work in progress standalone system that assists a domainexpert in building Basic Formal Ontology (BFO) compliant domain ontologies.Independent StudySpring 2023 and Fall 2023The spring was spent learning background information about BFO and familiarizingmyself with the DBOL. This fall I have been responsible for
	 Continuing to make improvements to the DBOL following weekly meetings. Organizing and administering a second round of user testing following changes. Created various tools to assist in evaluating results from the user testing. Including a Katz similarity metric, as well as CSV building helpers.
	ATR Center Intern/DoD Contractor May 2023 to August 2023
	University of Dayton, Dayton, OH Working with the same team from the independent study, I continued our work on the DBOL performing collaborative research with Air Force Research Lab (AFRL) Sensors Directorate. Over the summer I was tasked with
	Updating the code base in accordance with weekly team meetings.Creating documentation and user manuals for the system and its sub parts.Organizing and administering user testing of the system.
	 Student Operations Staff (SOS) January 2021 to Present Residence Life and Housing SUNY Oswego, Oswego, NY SOS Coordinator August 2022 to Present As an SOSC, I perform the same responsibilities of a desk attendant while additionally Scheduling shifts and helping students resolve scheduling conflicts. Training new desk attendants and acting as a mentor. Improving desk operations by reworking desk protocols, as well as improving the physical and digital environments of the desk.
	Desk Attendant January 2021 to August 2022 As a desk attendant I was resposible for assisting students, delivering mail, and creating community within the residence hall.
COMPUTER SKILLS	Languages & Software: Proficient in: Git, LaTeX, Java, Prolog, Racket Experience with: AWS, Bash, C, C++, CSS, Clojure, Docker, Excel, Go, Google Sheets, HTML, MongoDB, Open Liberty, Python, Wikimedia Operating Systems: Ubuntu, Windows
EXTRA- CURRICULAR ACTIVITIES & CERTIFICA- TIONS	CITI Program Social & Behavioral Research - BasicExpires September 2026DOD Mandatory Controlled Unclassified Information (CUI) TrainingJune 2023MAA Seaway Contributed Talk Presenter: Studying Ontologies UsingFall 2023Mathematical TechniquesFall 2023Elected Secretary, Oswego Computer Science AssociationFall 2023Elected Secretary, Oswego Math ClubFall 2021 to Fall 2023
	Elected <i>Student Member</i> , Oswego Math Dept. Program Committee Spring 2023