Alexander Martin

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EDUCATION

University of Rochester — **Rochester, New York**
Bachelor of Science, Computer Science — *Anticipated May 2024*
Distribution Clusters: Economics, Ethics of Technology
Major GPA: 3.8 out of 4.0; GPA: 3.5 out of 4.00; Dean's List

EXPERIENCE

FACTS Lab — ***Rochester, New York***
Research Assistant — ***May 2022 – Present***

RAMS 2:

- Constructed a corpus to facilitate supervised learning of broad-coverage document level role extraction models.
- Calculated annotations' agreement with gold annotations and IAA metrics.

UDS 2.0 (http://decomp.io/):

- Worked on parser…

PROJECTS

Re-vision Technology — ***Feb 2022 – Present***

Machine Vision

- We are developing a platform to automate visual home inspections. The system uses a machine vision model with instance segmentation as in Abdulla, 2018.
- Developed a Computer Vision Model by modifying Mask R-CNN to identify common problems discovered in inspection or during home renovation.
- Received the Make it Happen Grant from the University of Rochester.

LEADERSHIP ACTIVITIES

University of Rochester, Computer Science Department — **Rochester, New York**

Teaching Assistant – Data Structures and Algorithms (CSC 172)	*Jan 2022 – May 2022*
Teaching Assistant (Workshop Leader) – Intro to Computer Science	*Aug 2021 – Dec 2021*
Math and Computer Science Tutor	*Feb 2021 – May 2022*
STEM Initiative: Curriculum Board Member	*Feb 2021 – Present*
Computer Science Undergraduate Council: Internal Communications Chair	*Feb 2021 – May 2022*
Dandy Hacks: Finance Manager and Logistics	*Aug 2021 – May 2022*

University of Rochester, Residential Life — **Rochester, New York**

Resident Advisor (RA)	*Aug 2022 – Present*
D'Lion (First Year Staff)	*Aug 2021 – May 2022*

SKILLS

Programming languages:

Java, Python and Python ML libraries, C, SQL, MATLAB, Octave; HTML/CSS, JavaScript, NoSQL, Kotlin, PHP; R

Other:

GIT, Raspberry Pi, Android Studio, LaTeX, MongoDB, Notebooks, Amazon Mechanical Turk,

Interests: NLP, NLU, machine vision, long duration autonomy, algorithmic efficiency, hackthebox