Eliana Grosof

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EDUCATION

Oberlin College   May 2020

B.A., Computer Science; and Politics (double major)

- Courses – Highlights: Statistics and Modeling, Political Research and Analysis, Machine Learning, Artificial Intelligence, Human-Computer Interaction, Linear Algebra

SKILLS & STRENGTHS

- SQL, Python; pandas, sci-kit-learn, tensorflow; R, Java, MATLAB, Google Sheets, Excel, Tableau, Jupyter; JavaScript, shell scripting, HTML, CSS, Grafana, InfluxDB, SPSS
- Writing. Critical thinking. Organized. Self-starter, takes initiative. Enjoys managing, leading teams.

EXPERIENCE

Oberlin College Computer Science Department   Oberlin, OH

Research Assistant, Human-Computer Interaction   June 2019 – July 2020

- Designed and implemented a tagging scheme and analysis system about the quality of computer security advice in 650+ webpages about programming Q&A from StackOverflow
- Wrote SQL, Python, and shell scripts to store and query information in a custom-built SQL database
- Led small team of undergraduate researchers

Oberlin College Computer Science Department   Oberlin, OH

Research Assistant, Machine Learning   February 2019 – August 2019

- Used Python to analyze, implement, and test new machine learning sampling techniques optimized for rare events within medical datasets

The Fund for the Public Interest   Seattle, WA

Field Manager and Canvasser   May-August 2016, May-August 2017

- Earned award as #1 street canvasser nationally, highest averaging among 1000+ canvassers in The Public Interest Network which includes Environment America, Human Rights Campaign, and others
- Trained and managed 30 canvassers

PROJECTS

- **Course Recommender** – used the apriori machine learning algorithm to discover ~500 common-interest relationships between Oberlin college classes, from heavily used course selection website OPrestissimo
- **Energy Usage Data Visualization** – analyzed energy usage data from college's computers by producing time series graphs using Grafana
- **Startup Business Plan for new Campus Delivery Service** – developed a business model, financial plan, and marketing strategies with a business partner in an accelerator under the guidance of mentors
- **Engagement Demographics Survey Analysis** – related religious/cultural engagement to income using Pew Research Center data: cleaned, selected features, ran multivariate regressions

Personal Interests: rock climbing, music, social dancing, hiking, traveling, experimental theater