Ilana-Mahmea Siegel

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EDUCATION

Northeastern University, Boston, MA
M.S. in Computer Science   Expected Graduation: May 2024

Brandeis University, Waltham, MA
B.A. in Film, Television, and Interactive Media   May 2016
Minors: Legal Studies, Theater Arts, and Near Eastern and Judaic Studies

SKILLS

- **Programming Languages**: Python, Java, C

PROFESSIONAL DEVELOPMENT

Coursera

[DeepLearning.AI TensorFlow Developer Professional Certificate](#) — *DeepLearning.AI*   Apr 2021

- Learned to build, train, and improve neural networks using TensorFlow; trained CNNs, RNNs, and LSTMs

EXPERIENCE

Northeastern University, San Jose, CA
Research Assistant, Computer Vision   May 2022 – Present

- Create an experimental program that uses traditional computer vision techniques to accurately label data to train a neural network in real time; analyze program effectiveness

Teaching Assistant   Jan 2022 – May 2022

- Supported students academically through office hour meetings, written feedback on assignments, and tip sheets

Camp Tawonga, Groveland, CA
Freelance Programmer   Mar 2020 – Jul 2021

- Created and deployed a Python program to generate staff schedules, saving 8-10 hours with each use
- Anticipated 85% of client's initial program requirements; continuously reevaluated and revised program based on stakeholder feedback and evolving specifications

Stanford University, Stanford, CA
Volunteer Section Leader, Code in Place 2021   Apr – May 2021

- Evaluated student understanding; taught coding concepts and Python to group of 11 online adult learners by using clear explanations, diagrams, and code samples in weekly meetings to supplement professors' lectures
- Reviewed student code; answered student questions in online forum

San Francisco Waldorf School, San Francisco, CA
High School Math Teacher — Honors Algebra II and Permutations & Combinations   Aug 2020 – Jun 2021

- Designed remote and in-person course curricula and daily lessons based on student abilities and school goals; determined overarching course outcomes, structure and assessments, and daily lessons and assignments
- Collaborated on faculty teams to assess structural challenges and develop systemic solutions

Camp Tawonga, Groveland, CA
Department Supervisor/Project Manager   May – Aug 2018, 2019 (Seasonal)

- Supervised 45 staff members in dynamic, fast-paced environment; built supportive teams; communicated clear goals; gave timely encouraging and constructive feedback; managed program logistics
- Monitored details of staff job performance and 240+ campers' experiences
- Managed multiple concurrent projects; rapidly devised and implemented short-term and long-term solutions to complex problems to ensure program success; communicated with stakeholders to provide status updates and get feedback
- Collaboratively redesigned and led 10+ hours of trainings; created and led activities for groups of 14-75 kids and adults
- Collaboratively developed community support groups and events for LGBTQ+ community members