

Pearl Leff

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EDUCATION

Lander College for Women, New York, NY

Bachelor of Arts in **Computer Science**, minor in **Digital Multimedia Design**

Expected December 2019

Honors Program; USGIF Undergraduate Scholarship; Recipient of Touro's Academic and Presidential Scholarships

GPA: 3.8; Dean's List

Macaulay Honors College at Hunter College, New York, NY

Bachelor of Arts in **Geographic Information Systems**, minor in **Mathematics**

Expected December 2019

University Scholar; Leon Cooperman Scholar; Excellence Scholar; recipient of four-year full scholarship

GPA: 3.5; Major GPA: 3.9; Dean's List

Activities: Science and Technology writer, Opinions editor for the *Macaulay Messenger*

WORK EXPERIENCE

Tumblr, New York, NY

June 2018-August 2018

Software Engineering Intern

- Consolidated backend code and implemented features for the 20th most popular site in the US
- Designed and implemented analytics and aggregator of production-impacting events

Touro Textbooks, New York, NY

January 2017-present

Co-founder

- Developed a platform for university students to exchange textbooks and other materials with other students
- Managed programming, servers, and business

Eternix, Tel Aviv, Israel

June 2016-January 2018

Software Engineering Intern

- Worked on geospatial API and data management software that enables users to find, access, process and share geospatial layers in C#, ASP.NET, NancyFx/Razor, MongoDB
- Created chat server with geospatial functionality using websockets, node.js, and total.js

Princeton SciTech, New York, NY

December 2015-June 2016

Software Engineering Intern

- Developed student interaction website in Javascript, HTML/CSS, and PHP
- Designed technological implementation for complex financial transaction model

Aleph Beta, Hewlett, NY

June 2014-August 2014

Animation Intern

- Designed and produced 2D vector animation videos using Photoshop, Illustrator, and Final Cut Pro X
- Built audio soundtracks by curating and editing sound from raw audio database

RESEARCH EXPERIENCE

National Science Foundation, University of Northern Iowa

May 2017-July 2017

- Experimented with a convolutional neural network in the use of developing a technique for real-time hyperspectral image classification

SELECTED PROJECTS

- **Interactive Graph Builder**, a web app that allows graph theorists to quickly build and visualize graphs with custom graph- and node-level metric functions. Written in Javascript.
- **Touro Textbooks** (tourotextbooks.com), a platform to enable textbook exchanges for university students. Written in PHP using the LAMP stack.
- **Mekor Torah Sources**, a Google Chrome extension that recognizes Bible citations in text and displays the full verse to the user, written in Javascript.

SKILLS

Programming: Java, JavaScript, C#, ASP.NET, NancyFX, HTML/CSS; familiarity and experience with Go, Python, PHP, Linux, MongoDB, MySQL.

Geography: QGIS, ArcGIS, Blaze Next/Hub.

Design: Final Cut Pro, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Camtasia Studio.