

# MELODY STERN

## SOFTWARE DEVELOPER

I am a software developer building full stack web applications using JavaScript, React, Python and Django. Possessing both creative and analytical skillsets, I have a strong drive to understand how things work. I also have a strong desire to create, and I have always been drawn to fields which allow me to express both sides of myself. Working as a photographer was fulfilling artistically, but I was searching for something more challenging. After a year of self study and coursework at Nashville Software School, I have fallen in love with the creative problem solving presented by software engineering.

### SKILLS

- Python, JavaScript, React, Hooks, Django REST, SQLite, HTML, CSS, Git, GitHub, CLI
- Agile, SCRUM, Kaban
- Adobe Creative Suite
- Nonviolent Communication

### FEATURED PROJECTS

#### Of a Feather

**Django, React, Hooks, SQLite, Material UI, Cloudinary**

<https://github.com/melliemuse/of-a-feather-react>

<https://github.com/melliemuse/of-a-feather-API>

Of a Feather is a full stack dating app designed to help users maximize compatibility based on principles of psychology. Users complete an assessment created in **React**, and matching is determined by their score in addition to user-specified gender preference and age range. A match is considered active when both users favorite the other. Users can upload images of themselves using **Cloudinary**, and they can edit their profiles to change the matches they receive. They can also create, edit, update and delete user and match-specific messages. Styled with Material UI. Persistent storage and token authentication through **Django Rest** and **SQLite**.

#### Braineaser

**React, Charts.js, Cloudinary, JSON, Material UI**

[github.com/melliemuse/Brain-easer](https://github.com/melliemuse/Brain-easer)

Braineaser is designed to help users manage their anxiety through a combination of education, journaling prompts, science-backed interventions, and real-time tracking of mood and mood-management strategies. Built with **React**, leveraging CRUD functionality with **JSON Server** to store, dynamically populate, and sort app and user data. Leveraged **Charts.js** to provide visual user and intervention specific data to give users concrete, personalized feedback on the efficacy of each intervention for them over time. Styled using a combination of **CSS** and **Material UI**.

### EDUCATION

**Nashville Software School**

Software Development Bootcamp, Certificate

**Columbia College Chicago** • BA, Photography

773-372-5363

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## SOFTWARE EDUCATION PYTHON/DJANGO

### Full Stack Developer

Oct 2019 - Apr 2020

NASHVILLE SOFTWARE SCHOOL

Six month accelerated program focused on Python, Django, SQL, Javascript, React, HTML5 and CSS3.

- Built front-end and full-stack web applications
- Mapped data relationships using ERDs, Lucid Chart, DB Diagram
- Used Agile processes and Kaban to manage issue tickets across projects
- Source code version control using GitHub

#### Bangazon - Group Project

- Full stack CRUD ecommerce application built with Django REST, SQL database, React Hooks using token-based authentication
- Personally responsible for logged in user to create and add items
- to an order, filter products by product type, delete products from their shopping cart, add products to sell, and view products' details
- Worked on back end functionality for favoriting sellers
- Wrote full CRUD viewset for Order Products in Django
- Wrote Integration Tests for Order Products
- Pair programmed models and fixtures

#### Nutshell - Group Project

- CRUD application utilizing JavaScript, Webpack, session storage and JSON Server for persistent data storage and authentication
- Responsible for developing messages section where users can create, read, or edit messages sorted by date
- Pair programmed task list section
- Created an ERD and wireframes as a team
- Re-created app using React, React Router, leveraging JSON Server with fetch API calls, developed news and friends sections in React, styled with Material UI

## PROFESSIONAL EXPERIENCE

### Photographer • Editor

Mar 2010 - Sept 2019

Melody Stern Photography

- Optimized images for output on the web
- Created and maintained website using Wordpress
- Published photojournalist/ photo editor with The Chicagoist

### Photo Retoucher • Photographer • Designer

Apr 2016 - Apr 2018

AbbVie

- Combined and transformed original photographs, existing portraits and photographs into animation-ready, highly stylized works of art
- for award-winning and critically acclaimed videos
- Produced 40+ composited digitally painted images featuring top AbbVie leadership based on critical reception of prior work
- Contributed to brainstorming sessions and provided rapid-fire creative campaign concepts in a collaborative environment
- Consistently delivered assets against tight deadlines for print, web, multimedia, and large scale applications

### Photo Retoucher

Nov 2015 - Mar 2016

BMG Models and Talent

- Used aesthetic sensibilities and technical skills to optimize assets to achieve business goals
- Optimized images and resumes for web deployment

### Event Photographer • Photo Booth Operator

Apr 2013 - Aug 2015

J.R. Owen • Leland Jason • Diamond Events Group

- Oversaw image delivery using an FTP server
- Troubleshoot printer errors on site
- Managed on-site photo booth operations from start to finish

### Sales Associate

Nov 2011 - Mar 2013

Calumet Photographic

- Initiated training for employees on DOS-based POS system
- Won sales contest across multiple categories, consistently a top performer
- Communicated to customize product recommendations, to educate customers and build relationships