

MICHAEL BAUM
Developer
Baum1286@gmail.com

Westchester, NY

TECHNICAL SKILLS

Python | Flask, Django, Pandas, Jupyter Notebooks
Javascript | Express, Node, React, Mongoose
Ruby | Rails
Mathematics | formal logic, probability & statistics, combinatorics
C, HTML, CSS

DEVELOPMENT EXPERIENCE

Checkers App

Independent Project – wrote fully functional checkers game using vanilla JS, HTML, and CSS.

Stat-Generator

Independent Project – wrote full-stack application which allows teachers to generate random data via API call to Random.org. Users visualize and edit sets dynamically on the site via the Desmos API.

Honey Badges

Group Project – managed workflow and contributed to client and backend codebases a MERN activity-tracking app with community features. Users can create and track progress on a variety of tasks. If public, users can also view and comment on each other's tasks to offer encouragement or coordinate a group task.

Grader

Independent Project – Django and React based gradebook application. Teacher users create and grade assignments. Grading is done in a table view using Material UI's Data Grid. Student users likewise view grades in a table view

WORK

Edgemont Junior/Senior High School | Scarsdale, NY | September, 2016 – June, 2022

High School Mathematics Teacher – created interactive lessons using Desmos and other platforms, integrated technology into my own classroom for peer teachers, taught topics in precalculus, statistics, and algebra

Nest+M (M539) | New York, NY | September, 2015 – June, 2016

Upper Grades Mathematics Teacher – created a course in mathematics research from scratch and wrote relevant materials

Goodwin Procter LLP | New York, NY | October, 2012 – December, 2013

Business Law Associate – wrote transaction documents to effect re-organization of billion-dollar investment vehicle for Brookfield, established investment vehicles for private real estate fund

FORMAL EDUCATION

General Assembly | Certificate in Full-Stack Software Engineering | Remote | December 2022

New York University School of Law | J.D. | New York, NY | May, 2012

Teachers College, Columbia University | M.A., Math Ed | New York, NY | February, 2015

Northwestern University | B.A., *cum laude*, English | Evanston, IL | June, 2009