

Gregory Kirchoff

Microbiology major with a passion for software development

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PROJECTS

Cat Chat — [Netlify](#)

Front end built in React, along with GraphQL Client and Context. The server for authentication, registration, and data persistence to the database is built in Node.js, using Express/Apollo Server. MongoDB is used for the database. The second server, which is used for making predictions and storing user submitted photos in AWS' S3, is built in Flask. The neural network is built using Keras and Tensorflow.

Bacterifind — [Heroku](#) (allow a minute for server to wake up)

A MERN stack application, with Redux managed state, that allows microbiologists to easily interpret results from Enteropluri Tube tests, discover more about the found bacteria, and to record notes on their findings.

Ecmanote — [NPM registry](#)

A CLI that serves a React frontend to allow users to write markdown and compile Javascript that gets run live in the browser as you type, all while writing those changes to the file system. Great for studying data structures and algorithms.

CLINICAL EXPERIENCE

Westchester County Parks, Rye NY — EMT

Jun 2018 - Sep 2019

Frequently took the position of crew chief to direct how patient care was delivered. Wrote medical documentation for future healthcare providers.

Scarsdale Volunteer Ambulance Corps, Scarsdale NY — EMT

Sep 2016 - Aug 2018

BLS and ALS operations dispatched by 911. Provided patient care during transport to hospital.

EDUCATION

University of Rochester, Rochester NY — Microbiology B.S.

August 2017 - May 2021

LINKS



[Github](#)



[LinkedIn](#)

[Personal Site](#)

SKILLS

Javascript
React.js
Node.js
SQL
NoSQL
MongoDB
GraphQL
CSS
SCSS/SASS
Semantic HTML5
Docker

Python
Pandas
Numpy
Matplotlib
Scikit Learn
Tensorflow

LANGUAGES

English, French,
German