# Taylor Hummon, Ph.D.

Looking to write code, mentor, and make the world a little better.

pronouns: they/them

taylorhummon.com

hello@taylorhummon.com

## EXPERIENCE

### Senior Software Engineer at UtilityAPI

Dec 2024 - Present

### Senior Software Engineer in Energy Intelligence at Palmetto Solar

Sep 2021 - Sep 2022

- Built greenfield full-stack projects, maintained and enhanced company APIs, and performed novel research.
- Contributed to architecture, enhanced development tooling (e.g. CI improvements, containerization, type checking, etc.), facilitated a culture of clean code through peer code review and pairing.

Select technical projects:

- Implemented API that uses 3D building modeling and solar efficiency modeling to perform rooftop solar forecasting. Wrote innovative algorithms, built high-performance Kubernetes microservice, developed React frontend.
- Developed internal tool for storing, editing, and analyzing geospatial data for key business concerns.

### Software Developer at Flare Health

Jul 2017 - Aug 2020

- Developed and maintained a Rails API, two Ember web portals, and a Cordova mobile application.

Select technical projects:

- Wrote a front-end data store improving reliability and speeding up data retrieval for search by a factor of 12.
- Built a web app that allows medical schedulers to communicate with referring community physicians.

### Mathematics Instructor at University of California San Diego

Sep 2012 - Jun 2013

- Mentor for the Association of Women in Mathematics's GULP program.

## EDUCATION

### University of California San Diego

Sep 2012

Completed Ph.D. in Mathematics for work in category theory and topology.

### Vassar College

May 2006

Completed B.A. with honors in Mathematics and General Honors.

Mary Evelyn Wells and Gertrude Smith Prize for Excellence in Mathematics.

## EXPERIENCE

TypeScript, React

Python, FastAPI

NumPy, GEOS, PROJ

PostgreSQL

CouchDB, DynamoDB

Linux, Docker

Kubernetes

Ruby, Rails

Haskell, Java, C

## OPEN SOURCE CONTRIBUTIONS

Corber

gPodder

Weston

KDE

## HOBBIES

Project Euler

- 99.75% percentile of puzzle solvers

Knitting

Unit origami