

# Kyle Montville

## Full-Stack Web Developer

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Teacher turned web developer, now building small to medium-sized responsive, high speed, custom-made, user friendly business websites in which clients require the ability to frequently modify page content and rank highly in Google Search queries. Six years as a high school science teacher has given me a wide array of highly developed soft-skills which will facilitate my rapid deployment into a development team with an expeditious understanding of their work-flow and production pipelines. Problem solving, collaboration, and communication are my specialties. Eager to learn, quick to comprehend, and excited to start delivering value to your company.

### Freelance Work

#### **Black Moon Games**

<https://black-moon-games.com>

- Designed and deployed a responsive, high speed, mobile-first website for a local game store
- Increased web traffic by a factor of 2x to approximately 1000 users/month and rising
- Decreased page loading speeds from 3.0 seconds to 0.50 seconds or lower, on average
- Increased overall page conversion rate and average position in web searches
- Created a dynamic events calendar synced with Google Calendar API and a custom content management system for the admin user
- Uses Vue 3 for the frontend, Python for the back end, and Django Wagtail for the headless CMS & admin dashboard

### Personal Projects

#### **OpenVeg API (development ongoing)**

<https://openveg.app>

- An API for locating vegan/vegetarian restaurants by name, state, and/or zip code
- Uses FastAPI for managing backend queries and React for frontend searching and filtering tools
- Uses Heroku PostgreSQL for persistent data storage
- Data added to database after being gathered and filtered programmatically via BeautifulSoup web scraping tools
- Includes utility functions for updating and deleting database entries by ID
- Future updates will allow additional searching for events, businesses, and organizations; user authentication and individual API keys for open source contributions


#### **Mental Health Dashboard (development ongoing)**

<https://drliza-mentalhealth.herokuapp.com>

- **Username: GuestAccount, Password: !Password**
- A prototype web app built for managing adolescent mental health and as a repository of useful resources
- Users can create an array of mental health exercises either from a pre-made list or through custom input
- Uses Vue 3 for dynamic frontend interaction and Django Rest Framework for API endpoints which manage creating, reading, updating, and deleting queries
- Uses Heroku PostgreSQL to manage persistent user data
- Provides user login and data protection secured with third-party service Auth0

### Contact

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 **<https://www.linkedin.com/in/kyle-montville>**

 **<https://www.github.com/ksmontville>**

 **<https://www.kylemontville.dev>**

### Education

- **Clarkson University, 2016-2017**
  - Master of Arts in Teaching
  - *Summa Cum Laude*
- **SUNY at Albany, 2012-2016**
  - Bachelor of Science in Physics
  - Bachelor of Science in Mathematics
  - *Magna Cum Laude*

### Technologies

- **Python**
  - FastAPI
  - Django
  - Flask
- **JavaScript**
  - React.js
  - Vue.js
- **Web Technologies & Frameworks**
  - HTML
  - CSS
  - Tailwind CSS
  - Bootstrap 5
- **Databases & ORMs**
  - PostgreSQL
  - SQLite
  - SQLAlchemy
- **Git Workflow**
  - Git
  - GitHub CLI
- **Platforms as a Service**
  - AWS (S3 Buckets, IAM permissions)
  - Heroku
  - Netlify
  - Auth0