

## Kevin Kelbach

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Cleveland, Ohio 44106

github.com/Kelbach | linkedin.com/in/kevinkelbach

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Results-driven, strategic Full-Stack web developer leveraging a physics background to efficiently problem solve and build a more intuitive user experience on the web. Skilled in designing and customizing software to optimize operational efficiency and collaborating within a team environment to hit year-end goals. Utilizing innovative problem solving and passion to develop apps, with a focus on responsive mobile-first design and development. With each project, my aim is to best engage my audience for an impactful user experience. Excited to leverage my skills as part of a fast-paced, quality-driven team to build better user experiences on the web.

### TECHNICAL SKILLS

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- Frontend: HTML5, CSS, JQuery, Javascript, Bootstrap, AJAX, ReactJS, Angular
- Backend: MySQL, MongoDB, Express, Node, Handlebars, Webpack, Maven, Spring Boot

### PROJECTS

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#### VAPOR | Repo | Deployed App

- A MERN application to connect users through a passion for video games.
- Meant to be a single page app geared towards user-user interactivity (CMS, REST API). My responsibility was front-end API calls and minor styling / REACT design.
- Tools/Languages: ReactJS, MongoDB, CSS, AJAX, Axios

#### BUDGET BUDDY | Repo | Deployed App

- An application to help the user keep track of a monthly budget.
- Meant to be a server side generated app that keeps track of user data. My responsibility was writing the back-end for data management (server, models, routes, dotenv, auth).
- Tools/Languages: SQL, Handlebars, Bootstrap, Node, Express, Anime.js, Chart.js

#### MELODY NOMAD | Repo | Deployed App

- An introductory student project utilizing two API calls to external sources.
- Meant to connect users to concert tickets and flights to the shows. My responsibility was writing the API call for the information on tickets as well as creating a footer that saved clicked tickets.
- Tools/Languages: Javascript, HTML, CSS

### WORK EXPERIENCE

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#### TECH EXPERIENCE

#### Full Stack Java Developer

May 2022 - Dec 2022

Skillstorm

- Trained in Java, JUnit, Maven, Hibernate, Spring Boot, JavaScript, MongoDB, React, Angular, SQL
- Worked on Internal Applications

## RESEARCH EXPERIENCE

### **Undergraduate Research Assistant at The University of Toledo, OH**

2013 - 2013

Department of Physics under Dr. Al Compaan

- Characterized oxygen emission lines in a sputter plasma using optical emission spectroscopy. Learned spectroscopy techniques in 4 weeks. Discovered an inverse relationship between oxygen content and conductivity of photovoltaic materials over the course of 6 weeks.

2012 – 2013

### **Undergraduate Research Assistant at The University of Toledo, OH**

Department of Physics under Dr. Rick Irving

- Ran experiments using Toledo Heavy Ion Accelerator (THIA) to quantify the lifetime decay of ionized lead through a thin carbon film via beamfoil spectroscopy. Practiced use of various electronics in research on the nature of plasma.

## AUDIO EXPERIENCE

### **Sound Guy**

2018-2020

Kulture Kids / Cleveland Metro School Districts

- Ran sound as part of a student art showcase on various occasions throughout the school year. Required thinking on the fly, depending on whatever gear the school would have on hand. Proficient with DAWs, audio processors and mixing.

## TEACHING EXPERIENCE

### **Adjunct Professor**

2016 -2016

Lorain County Community College, Division of Science and Mathematics 440.366.4022

- Taught Astronomy 151: Stars, Galaxies, and Cosmology

2014 –2022

### **Professional Tutor**

Lorain County Community College, Academic Support Center 440.366.4057

- Taught Mathematics, Physics, and Astronomy

2020–2021

### **Professional Tutor**

Cuyahoga County Community College, Learning Commons 216.987.6000

- Taught Math Success Seminar, Mathematics, and Physics

## EDUCATION

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**Bootcamp Certificate:** Case Western Reserve University, Cleveland, OH

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handelbars.js & ReactJS.

**Bachelor of Science in Physics Concentration: Astrophysics:** The University of Toledo

**Associate of Applied Science in Recording Arts and Technology :** Cuyahoga Community College