

**Kevin Kelbach**

kevin.kelbach@gmail.com  
216.258.4084

**Current Address**

2167 Murray Hill Road, lowr  
Cleveland, Ohio 44106

**Permanent Address**

15300 Parkgrove Ave.  
Cleveland, Ohio 44110

**SUMMARY**

Reliable and flexible problem solver - Currently Professional Tutor with leadership responsibilities and directives.

**SKILLS & ABILITIES**

- Proficient in data acquisitions.
- Collaborating with a team in a group environment
- Adept at communicating complex topics accurately and articulately
- Seasoned public speaker in presenting research and ideas to a wide audience
- Versed in Problem Solving, Critical Thinking, Mathematics

**TECHNICAL SKILLS**

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

**PROJECTS****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 (forum). 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****RESEARCH EXPERIENCE**

Summer 2013

- **Undergraduate Research Assistant The University of Toledo, OH**  
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 of lab time.

2012–2013

- **Undergraduate Research Assistant 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

2018-2020

- **Sound Guy**

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

Spring 2016

- **Adjunct Professor**

Lorain County Community College, Division of Science and Mathematics 440.366.4022

Taught Astronomy 151: Stars, Galaxies, and Cosmology ;

2014–2016, 2017–Present

- **Professional Tutor**

Lorain County Community College, Academic Support Center 440.366.4057

Mathematics, Physics, Astronomy

Spring 2020–Present

- **Professional Tutor**

Cuyahoga County Community College, Learning Commons 216.987.6000

Math Success Seminar, Mathematics, Physics

## EDUCATION

Graduated May 2014

- **Bachelor of Science in Physics Concentration: Astrophysics**

The University of Toledo

CGPA: 3.154

Graduated May 2010

- **Associate of Applied Science in Recording Arts and Technology**

Cuyahoga Community College

CGPA: 3.24