

# Erich R. Keil

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## Experience:

### Recurse Center - *Participant*

Jan 2022 to present

- Learned Modern Full Stack Web Development
  - Used Free Code Camp curricula as a basis.
  - Front end work focused on React and Redux
  - Back end work focused on REST APIs and Apollo Graph QL servers in Node.js/Express with MongoDB for storage.
- Studied algorithms and data structures
  - Completed [Complete Intro to Computer Science](#)
  - Completed [Leetcode study plans](#) and attended daily pairing
  - Working through [Exercism](#) Javascript track
- Attended Workshops in Git, TDD, Security, and Database Stores
- Organized Design Patterns study group on the 'Gang of Four' text
- Hosted Full Stack WebDev weekly meetups
- Currently working through modules in React Native, CI/CD, and SQL

### Independent Study

Jan 2020 - present

- **Computer Science:** Completed Harvard CS50 - Intro to Computer Science(C/Python)
- **Web Development:** Free Code Camp Certifications: Responsive Web Design, Front End Libraries, Data Visualization, Backend Development/APIs.

### Tulsa Opera - *Director of Production*

Aug 2017 to Dec 2021

- Managed strategic planning and implementation for a \$1.5M production budget. Oversight of all design and technical elements, hiring, health and safety protocols, and production operations.

### East Carolina University - *Assoc. Professor*

Aug 2011 to Jul 2017

- Taught courses in lighting and sound design and technology, mentored student designers, and managed systems implementation and oversight.

**Skills:** HTML, CSS, JS, Node/Express, React, D3, Git, MongoDB, REST APIs, GraphQL, Lighting Design, Sound Design, Photography, Figma, Illustrator, Photoshop, Audition, Video Projection, Electrical Theory, Microcontrollers, Exhibit Fabrication & Installation, CAD. Motivated and skilled self-learner.

## Education:

- *Master of Fine Arts:* Lighting Design and Technology - UCLA
- *B.A.:* Theater Design and Technology - Western Michigan University