

# KYLE J. LOOKER

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## OVERVIEW

Former industrial hygienist turned software developer with passion for automation, problem solving and creating elegant code. I strongly believe in the philosophy that failure is to be embraced. Having spent the last few years heavily focused on science, engineering and math in an industrial setting, I've decided to pursue my interest in technology.

## EDUCATION

**Master of Science in Public Health, Industrial Hygiene** May 2015  
*Tulane University School of Public Health and Tropical Medicine, New Orleans, LA*

- Second in class, Recipient of CDC NIOSH Fellowship: statistical analysis of historical crystalline silica exposure
- Coursework included: bio statistics, ventilation engineering, radiological health, epidemiology, risk analysis

**Bachelor of Science, Neuroscience** June 2011  
*University of Cincinnati, Cincinnati, OH*

**Full Stack Flex** March 2018- Present  
*Thinkful Software Development Bootcamp*

## SKILLS

- **Technical:** Javascript, Node, Express, React, Redux, REST, MongoDB, Mocha, Chai, HTML, CSS, Python
- **Other:** API development, Front end development, problem solving, SDLC, Process optimization, TDD, accessibility

## PROJECTS

### **CUSTOM FLASHCARD QUIZ APP**

<http://www.looreddy.com>

- *The goal of this project is to build a full-stack app with react where the user is able to manipulate what data is presented in the study portion (React, HTML, both, etc.), how the information is presented (flashcard or quiz)*
- *The app should track what questions are missed with higher frequency, mixing the most failed questions back into the flashcard deck; conversely, lessening the frequency of successfully answered questions*
- *Feedback will be given for users strengths and weakness by subject matter*

### **WEDDING GIFT EXCHANGE**

<https://wedding-gift-exchange.herokuapp.com/>

- *This project was designed to facilitate a gift exchange for international guests coming to my wedding*
- *This app is an MVP and my first experience using Node, MongoDB, Mongoose, and Passport*

### **WEDDING EVENT GUIDE**

<https://complicationlamp.github.io/wedding-events/>

- *A simple event guide of a four-day traditional Indian wedding using the Google Maps and open-weathermap APIs*

## PROFESSIONAL EXPERIENCE

**Wood (embedded contractor at The Boeing Company), Portland OR** October 2017 - August 2018  
**Industrial Hygienist**

- Found a critical flaw in the campus' design of ventilation control for hazardous materials and resolved it by using a different mathematical approach to work with the system in place
- Used predictive air dispersion equations to locate source of noxious odor and designed a modification to safely remove contaminated air
- Responsible for project design and site-wide analysis of acoustical engineering
- Provided mentorship for summer intern

**Paul Carlson Associates, Lake Oswego, OR**

**July 2015 - October 2017**

**Project Manager**

- Worked with clients on acoustical engineering design and installation of custom enclosures
- Calculated explosive forces for flammable dusts, under a variety of circumstances, for several timber facilities
- Managed the development and relaunch of company website
- Responsible for contractor oversight for the asbestos abatement and demolition of a 32 building industrial campus