# Kurt Riecken

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GitHub: https://github.com/kurtriecken

## Full Stack Web Developer

An adaptable and solution-oriented professional educated in and holding hands-on experience across the software engineering life-cycle. Distinctive work experience creating and developing elegant and technically-masterful digital solutions to real-world problems as well as leading teams within the symphonic orchestra industry. Thrives in collective and deadline-oriented work settings, championing complex projects from conception to timely delivery. Committed to achieving quality output and skilled at describing technical concepts in coherent and digestible terminology for diverse audiences.

## Education & Professional Training

**University of Central Florida/EdX Web Development Bootcamp Certificate,** *Orlando, FL*     December 2023
**Object-Oriented Programming in Java Certificate,** *UC San Diego via Coursera (MOOC)*     2023
**Python for Everybody Certificate,** *University of Michigan via Coursera (MOOC)*     2022
**Java Programming Fundamentals Certificate,** *Duke University via Coursera (MOOC)*     2022
**Master of Music Performance** *Indiana University – Bloomington, IN*     2014
**Bachelor of Science: Music Performance,** *Graduated with Honors*     2012
- *University of Central Florida; Orlando, FL*

**Bachelor of Science: Electrical Engineering,** *Graduated with Honors*     2012
- *University of Central Florida; Orlando, FL; Capstone Project: Drove design and development of Smart House System centralizing control and enabling analysis of all home electronics.*

## Technical Skills

**Languages:** JavaScript ES6+, CSS3, HTML5, Java, SQL
**Applications:** GitHub, VSCode, Eclipse, BlueJ, Emacs, Heroku, DBeaver, Insomnia, MongoDB, ApolloDB, Sequelize
**Tools:** React, Node, Bootstrap, Bulma, JQuery, NPM packages, Third-party APIs, RESTful APIs, Mongoose, React,Webpack, Redux, Mongoose, npm, yarn, JWT, Jquery, Axios, Stripe, Netlify, Material UI, Nodemailer, Tensorflow.js
**Project-based:** Stakeholder Relations, Milestone Development, Task Prioritization, Process Improvement, Excel in Autonomous & Collaborative Work Settings, Influential Communicator, Project & Program Management, Requirements Gathering

## Projects

**LoveLink** | **https://github.com/kurtriecken/Love-Link** | **https://hidden-garden-06286-72f8e54246d1.herokuapp.com/login**
- **Summary:** Dating app built on React and Material UI, with a back end that utilizes GraphQL/Apollo and MongoDB. Users can get matched by interests and gender, upload images to display on their profile and in a built-in messenger which also runs messages through a toxicity processor (via a tensorflow npm pacakge) and marks their profiles as toxic.
- **Responsibilities:** Built back end logic to handle data storage and schemas, resolutions through express and GraphQL, built messaging service from scratch, aided in design and structure of front end using Material UI.
- Tools used: HTML/CSS/JS, Node.js, React, Mongoose, JWT, Tensorflow, Heroku, Eslint

**Tasty Tableau** | **https://github.com/jradmorrison/tasty-tableau** | **https://cryptic-tundra-53497-2c1c36d10121.herokuapp.com/**
- **Summary:** Full-stack recipe app; users can upload and edit their own new recipes, browse the database, search by key phrases, save recipes to a favorites section, write and view reviews, and receive emails alerting to activity on their recipes.
- **Responsibilities:** Interacted with and helped construct all aspects of the page including DB management, UI/UX, data sanitization and validation,
- **Tools used:** HTML/CSS/JS, Node.js, Sequelize, BCrypt, MySQL, Bootstrap, Nodemailer

**Tech Blog** | https://github.com/kurtriecken/Tech-Blog | https://afternoon-gorge-19720-60f922d0d2e8.herokuapp.com/
- **Summary:** Fun, colorful Wordpress-style site where users can post, comment, and discuss topics related to technology.
- **Responsibilities:** Designed page layout, wrote and published all code
- **Tools used:** HTML, CSS, JavaScript, Handlebars.js, Sequelize, Heroku

**Principal Double Bass,** *Charlotte Symphony Orchestra; Charlotte, NC* 2015 – 2023

Lead and advance development of double bass section team of 7+ within nationally acclaimed, 60-member symphony orchestra. Excel in multiple committee leadership roles, influencing program financials, personnel, scheduling, stage planning, and artistic decision-making. Talented soloist, performing concertos and encores with famed guest artists for orchestral repertoire.

- Partner seamlessly with leadership to produce bowings for all seasonal pieces.
- Spearhead planning and execution of educational programming, community, and donor outreach events.
- Consistent and overwhelming positive feedback in performance evaluations, both formal and informal, including my ability to lead my direct reports effectively and contribute to the orchestra's overall excellence
- Decision-making and vision led to hires of new staff who consistently ranked in the top 10% of the organization
- Feedback from conductors and other temporary leaders of the orchestra proved my overall ability to raise the level of commitment, technical skill, and excellence of my team year after year