

Brian Heim

Former Industrial and Systems engineer and developer with a proven record of leadership, innovation, and process improvements.

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EXPERIENCE

Self-employed, Denver, CO - *Guitar/Bass instructor*

Jan 2021 - present

- Developed personalized lesson plans and exercises tailored for beginner and intermediate students
- Provided assistance and advice to students when purchasing musical equipment

GoSpotCheck, Denver, CO — *Data Engineer*

May 2017 - Apr 2019

- Took on leadership role, especially in writing standards for ETLs and data visualization
- Worked extensively in SQL, Ruby on Rails, Snowflake, DataBricks, ActiveRecord, LookML, PostgreSQL
- Provided custom data visualizations and scripting for customers

Ford A/V, Denver, CO — *Project Engineer*

Oct 2014 - Jun 2016

- Engineer responsible for large A/V installation projects including Univ. of Denver and Denver International airport
- Designed, programmed and tested full A/V systems, specified official parts lists and developed labor plans
- Served as the head of drafting for the Denver division, supervising the quality and content of official floor plans, elevation drawings, ceiling plans, and line-drawings

WR Systems, Norfolk, VA — *Engineer EMSYS*

Oct 2013 - Sep 2014

- Independently created improved inventory system resulting in projected annual savings of over \$ 10,000
- Ensured proper calibration and configuration of Cascade lasers systems

LANGUAGES AND FRAMEWORKS

Ruby on Rails

SQL

Snowflake

Looker

PostgresQL

JavaScript

Database schema and design

AWS

HTML

CSS

Python

C++

AutoCAD

SKILLS AND WORKFLOW TOOLS

Figma

User-Centered Design

Project Management

Responsive Design

Data Analysis

Agile

QA

TDD

Pairing

Heroku

GitHub

- Monitored successful fabrication and construction of sub-assembly systems
- Assumed lead role in Process Improvement (PI) and design improvement initiatives for entire manufacturing system

EDUCATION

Google, Norfolk VA — *UX Design Specialization certificate*

Sep 2024 - March 2025

Turing School of Software and Design, Denver CO —
Certified Graduate, Back-End Program

Jun 2016 - Jan 2017

Virginia Polytechnic Institute and State University,
Blacksburg VA — *BS Industrial and Systems Engineering, minor
in Industrial Design*

2008 - 20013