

PORTFOLIO

- [Open-source contributions](#) to Next.js, Bootstrap, freeCodeCamp, Ant Design, and others.
- [Responsive server-rendered real estate listing page](#) with APIs and tour scheduling functions, built for a client using Next.js, React, Firebase Authentication, and Cloud Firestore.
- [Next.js + MongoDB local authentication boilerplate](#) employing serverless functions, hashing passwords with bcrypt, and implementing an open source Bootstrap/reactstrap dashboard design.
- [Multi-page static-optimized portfolio website](#) built with Next.js and a custom responsive React Bootstrap design.
- [10 Node.js API/microservice demos](#) built with Express, most connected to MongoDB Atlas databases, several including functional tests written with Chai and HTTP security measures added using Helmet.
- [Minimalist WordPress theme](#) styled with Sass and Bootstrap for a WordPress port of my portfolio website.
- [4 single-page interactive React apps](#), one also implementing a Redux state container.
- [Custom React hook](#) written in TypeScript, published to npm, and tested with Jest and Enzyme.
- [Single-page PHP to-do list app](#) with a SQLite database, designed with Bootstrap.
- [5 JavaScript algorithm challenges](#).

EDUCATION

Bethel University (formerly Bethel College), **Mishawaka, Indiana**

B.S. in Mathematics, Minor in Music, **AUGUST 2009 – MAY 2013**

- **GPA:** 3.88/4.0, *magna cum laude*; **SAT:** 2310/2400 (800 Math, 720 Critical Reading, 790 Writing)
- Coursework included multivariate calculus, linear algebra, differential equations, probability & statistics, computer programming (C++, Java), mathematical modeling (using R), abstract algebra, real analysis, and complex analysis.
- 2010 Ronald Bennett Mathematical Sciences Award
- 2013 Outstanding Mathematics Undergraduate

freeCodeCamp – *Web Development Certifications*, **MARCH 2019 – NOVEMBER 2019**

- [Responsive Web Design Certification](#), September 3, 2019
- [JavaScript Algorithms and Data Structures Certification](#), September 3, 2019
- [Front End Libraries Certification](#), September 26, 2019
- [APIs and Microservices Certification](#), October 12, 2019
- [Information Security and Quality Assurance Certification](#), November 11, 2019

WORK EXPERIENCE

Freelance Web Developer – **FEBRUARY 2020 – PRESENT**

Entrepreneur & Rideshare Driver – **FEBRUARY 2017 – FEBRUARY 2020**

- Explored ventures in online retail and peer-to-peer vehicle rentals. Rental business was profitable, but I decided to sell these vehicles when my wife and I planned to embark on full-time RV travels (February 2019–March 2020).
- Used rideshare as a flexible and stable income base during these ventures and during our first year of travel.

Studies and Analyses Division, HQ Air Force Materiel Command, Wright-Patterson AFB, Ohio

Operations Research Analyst, **JUNE 2013 – FEBRUARY 2017**

Analyst Intern, **MAY 2011 – JULY 2011, MAY 2012 – JULY 2012**

- 2014 HQ AFMC Category I Civilian of the Year