Tyler Mick
Web Developer

RELEVANT EXPERIENCE

Self-Employed
Freelance Web Developer & Data Scientist, **MARCH 2019 – PRESENT**

- **Open-source contributions** to Next.js, Bootstrap, freeCodeCamp, Ant Design, Faithlife, 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** with a serverless architecture, hashing passwords with bcrypt.
- **Multi-page static-optimized portfolio website** built with Next.js and a custom responsive React Bootstrap design.
- **Interactive JavaScript data simulation** querying up-to-date COVID-19 data, built with Vega-Lite and Data-Forge.
- **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.
- **10 Python API/microservice demos** built with Flask, most connected to SQLite databases.
- **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.
- **2 custom React hooks** 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.

Internet Entrepreneur, **FEBRUARY 2017 – FEBRUARY 2019**

- Created a consumer product line and built an online store, customizing its Liquid/HTML template.
- Bootstrapped a peer-to-peer car rental business to over 10% net profit margins by leveraging online marketplaces.

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**

- Provided concrete financial and operational analysis to a major acquisition program supporting a $3 billion reduction in the life cycle cost estimate for initial spare parts with no reduction in system performance.
- Led the analysis portion of an Inspector General briefing eventually presented to AFMC's (4-star) Commander. In the process uncovered and developed solutions for Air Force–wide inspection data collection problems.
- 2014 HQ AFMC Category I Civilian of the Year

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