

Objective

Currently seeking a software engineering position in a capacity that provides an ethical net good to the world. On the technical end, my goal is to continue the path towards mastery of full-stack software engineering and data management. Strongly preferential towards a team-based environment and solving challenges both internally and with clients.

Education

The Complete Web Developer + Multiple Courses | Zero to Mastery Academy / Udemy | Denver, CO 2021
B.S. in Mechanical Engineering | Top 10 in Class | Florida State University | Tallahassee, FL 2016

Relevant Work History

Data Visualization Consultant 2020-2021
Self-Employed, Denver, CO

- Build custom data dashboards in Tableau and Data Studio to quickly represent critical business insights
- Collaborate with C-level executives to build out profit/loss projections totaling \$MM of increased revenue/savings

Solutions Consultant 2017-2018
OniGroup Pty Ltd, Sydney/Singapore/Melbourne

- End-to-end sales, account management and IT admin of Google Enterprise product line (GA360, GMP, GCP, G-Suite)
- Oversaw change management of Google-centric IT restructuring across top ASX-listed firms throughout ANZ & ASEAN
- Trained, led and grew team of consultants while maintaining a 20% increase in portfolio Y/Y

Programming & Machine Shop Instructor, Technician 2014-2016
FAMU-FSU College of Engineering, Tallahassee

- Instructed 80+ student classes in C++, MathCAD, MATLAB, and PTC Creo Parametric
- Custom research project fabrication (CNC, mill, lathe, metalworking) for college of engineering students and faculty

Superconductor Research Engineer 2014-2016
Energy 2 Power Company

- Design and fabricate HTS (high temp superconductor) testing equipment using rapid prototyping through additive manufacturing and custom machining
- Write/edit research grant proposals for NASA/Dep. of Energy/Dep. of Defense

Software Engineering Projects

SWAPI Trivia Game | React, Node.js, PostgreSQL, Tachyons, bcrypt | <https://swapi-trivia.herokuapp.com/>
Trivia game built on open-source Star Wars API including secure user registration/sign-in/sign-out

BattleMaps | React, Node.js, MongoDB, AntD | <https://battle-maps.herokuapp.com/>
A single-page app that displays 100+ historically significant battles combining aggregated and Wiki data

See more in my portfolio! (<https://www.zachtippit.com/projects>)

Skills

Technical JS | ES7 | HTML | CSS | Jest | React | Node.js | Express | Git | jQuery | MongoDB | PostgreSQL
Organizational Documentation | Public speaking | Writing/Leading workshops | Team-building | First Aid/CPR