Matthew Fisher

mwfisher91@gmail.com | 512-947-0315

officialmicrofish.com | https://github.com/MicroFish91 | www.linkedin.com/in/mwfisher91

Experience

DigitalCrafts | Full-Stack Web Developer
June 2018 – Oct. 2018

Houston, TX

- 16-week intensive, full-time accelerated learning program. Experience with Python, full stack JavaScript, jQuery, HTML/CSS, Bootstrap, AWS, Node.js, Express.js, React.js, Redux.js, Sequelize.js, Passport.js, Chart.js, Node Scheduler, PostgreSQL, OAuth, IBM Watson IoT, Visual Basic, Git, Bash scripting, and more
- Recent projects include:

Beer Bud | Timbergrove
Oct. 2018

- Full-stack web application for Timbergrove Co. used to automate beer distributed at local events. Using embedded systems logic connected to a flow meter, transmits information through IBM Watson IoT to our full-stack web application where users have access to various privileges related to beer tap control and event monitoring.
- Technologies: HTML, CSS, Bootstrap, JavaScript, C++, Node.js, Express.js, React.js, Redux.js, Redux Thunk, PostgreSQL, MongoDB (deprecated), Sequelize.js, Passport.js, Node Scheduler, Web Sockets, IBM Watson IoT

Portfolio Instruments | https://github.com/MicroFish91/Portfolio-Instruments
Sept. 2018 - Present

- Full-stack suite of web tools used to help users track and rebalance their passive investments from start to finish.
- Technologies: HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js, React.js, Redux.js, Redux Thunk, PostgreSQL, Sequelize.js, Passport.js, Chart.js, Heroku, Surge

Digital Director | https://github.com/MicroFish91/Digital-Director
Sept. 2018

- Full-stack web application that helps teachers manage their after school programs
- Technologies: HTML, CSS, Bootstrap, jQuery, JavaScript, MindFusion's calendar API, Express.js, PostgreSQL, Sequelize.js, Node.js, Passport.js & OAuth for Google API, AWS

Foogle | https://github.com/MicroFish91/Foogle
Aug. 2018

- Front-end API-driven recipe search engine; features ability to customize ingredients lists while obtaining real-time pricing and nutrient breakdown updates
- Technologies: HTML, CSS, Bootstrap, jQuery, JavaScript, Recipe & USDA APIs, FreshDirect web scraping, AWS

Toshiba International Corporation | Electrical Design & Compliance Engineer
June 2013 – May 2018

Houston, TX

- Electrical Engineer for Toshiba's three-phase induction motor design group
- Develop, document, and manage company-wide systems that can be used to guide others in fully-compliant design, application, and sale of product
- Relevant project includes:

Comprehensive Motor Design Program
May 2017 - May 2018

- Lead programmer of Toshiba's low and medium voltage (up to 6 kV) stator design program
- Program is used as the backbone for all custom stator designs that go through Toshiba's Houston Motor Plant
- Based on a small set of custom design parameters, completely generates a customized bill of material set that uploads and configures into Oracle's EBS application; auto-generates standardized shop floor-ready custom design output sheets
- Received and considered for multiple in-company awards related to quality and innovation
- Built using Visual Basic and Oracle's powerful scripting software, DataLoad with PHP

Institute of Electrical and Electronics Engineers (IEEE) | Member
2013 - Present

- Participated in IEEE 841, IEEE 303, and IEEE 1349 working group. Appointed as a Task Group Leader in IEEE 1349 working group.
- Major publications include:

Navigation of Global Standards for Rotating Machinery
Oct. 2015

- Coauthor of a technical paper that was published in an IEEE magazine and presented at the 2015 PCIC technical conference in Houston, TX

Education

The University of Texas at Austin | Bachelor's Degree, Electrical & Computer Engineering
Aug. 2009 - May 2013