Matthew Fisher

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Summary

Software engineer with a strong background in electrical engineering. Has a proven track record for implementing creative and innovative design solutions with multiple years of industry experience.

Experience

DigitalCrafts | Full-Stack Web Developer — June 2018 – Present

Houston, TX

- 16-week intensive, full-time accelerated learning program
- Experience with Python, full stack JavaScript, jQuery, HTML/CSS, Bootstrap, Amazon Web Services, Node.js, React.js, Redux.js, PostgreSQL, Sequelize, Visual Basic, Git, and Bash scripting
- Recent projects include:

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

- Web application that helps teachers manage their after school programs
- Employs back-end server & database with convenient front-end GUI to help user track their student information, inventory, & calendar events
- Technologies employed: HTML, CSS, Bootstrap, jQuery, JavaScript, MindFusion's calendar API, Express, PostgreSQL, Sequelize, Node.js, Passport & OAuth for Google API, AWS

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

- Front-end API-driven recipe search engine; allows user to bookmark detailed custom recipe pages via local storage
- Each page features ability to customize ingredients lists while obtaining real-time pricing and nutrient breakdown updates
- Technologies employed: 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
- Responsible for ensuring that current and future products are designed and manufactured in full compliance with applicable safety and performance directives, technical standards, and legislative requirements
- 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

- Coded a comprehensive 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 groups
- 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