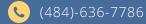
FANG W. SHEN

SOFTWARE DEVELOPER

CONTACT



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EDUCATION

Vanderbilt University B.E. Biomedical Engineering Cum Laude Dean's List

<u>PRODUCTS</u>

FTris-Arena

tetris-arena.firebaseapp.com
FTris-Arena is an online
multiplayer game rendered in HTML
and styled with customized Boostrap
and Materialize SCSS. OOP game logic
was designed with Javascript and
JQuery. User authentication was
entirely supported by GoogleAuth
while database storage and querying
was hooked up to Firebase's flat
document-based database.
Application was wrapped up in
AngularJS' Framework for single-pageaccess and full route-control.

Galaxcyclopedia-API

galaxcyclopedia.herokuapp.com
Galaxcyclopedia-API is a full Rails
MVC application built with RESTful
architecture and a user interface for
data queries and file sharing. All
available database resources are
represented in JSON format.
Versioning API requests can be
modified through the header. HTTP
requests return unique data sets for
the eight planets of the solar system

Galaxy-VR

galaxy-vr.herokuapp.com

Galaxy-VR is an Interactive Virtual Tour of the Solar System that leverages Galaxcyclopedia-API's JSON data with 3D Modeling and Animations, Educational Data Presentation, and Virtual Representation of the Solar System and its Planets Rendered in React-VR

PROFILE

As a software developer with a background in bio-engineering and business management, I pursue a path that combines my interest in healthcare with my passion in designing and implementing newer technologies.

PROFESSIONAL EXPERIENCE

Software Developer, Nashville Software School

(2017)

- **2** Full-Stack Development of RESTful API's in MVC applications with Ruby on Rails Framework
- **3** Application Design using OOP Fundamentals/SOLID Principles under SCRUM Methodology
- **O** Project Management with Trello and Github Issue Tracking, Source Code Version Control with Git/Github
- **D** Business Solution architecture for scalable applications with White-Boarding, Wireframes, and ERD Designs
- **O** Document & Relational Database Management and Deployment through Firebase, Github, SQLite, and Heroku
- **O** Responsive Web and Mobile UI/UX Engineering for Single-Page-Applications in AngularJS and ReactJS
- **O** DRY and Modular Component Design using Inheritance, Encapsulation, and Abstraction Principles
- **O** Test Driven Development with Unit and Integration Tests using Jasmine, Ruby Minitest, and RSpec
- **3** Task Automation & Linting: Grunt/Gulp/JSHint. Module Bundling & Compiling: Browserify, SASS/SCSS

Supervisor: CVS Pharmacy

(2016-2017)

O Store-wide integration of Mobile Curbside Pickup App to manage and facilitate successful online/in-person prescription demands

Medical/Dental Assistant: PA Medical Dental Clinics

(2016-2017)

O Effectively maintained patient-portal with organized systems to ensure timely patient flow and patient-centered care

AWARDS | PUBLICATIONS

Catalyst Award : Nashville Software School	(2017)
Arnold G. Biomedical Engineering Senior Design Competition Finalist	(2014)
First Place Award in Engineering Concept Design Competition	(2014)
Research Fellowship Certificate of Achievement	(2013)
International Journal of Cardiology	(2013)
https://www.nchi.nlm.nih.gov/nuhmed/2/820736/	

3 https://www.ncbi.nlm.nih.gov/pubmed/24820736/

Biomedical Engineering Society Annual Meeting, Seattle, WA (2013)

3 http://www.bmes.org/AnnualMeetingProgram.pdf

Society for Biomaterials Annual Meeting, Boston, MA (2013)

3 http://abstracts.biomaterials.org/data/papers/2013/0243-000538.pdf

