

KYLE S. GREENE



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SUMMARY

Software Engineer specializing in full-stack development. Experienced with all phases of application development using AGILE methodologies. Well versed in Javascript, MySQL and frameworks. Expert at working in a team setting and leadership.



OBJECTIVE

To transfer my domain knowledge in Computer Science and Programming, obtained from 10 years of teaching advanced high school courses, to an engineering position that will allow me to apply that knowledge to real world problem solving and application development within a reputable company.



APPLICATIONS

Fridge, Software Engineer & Scrum Master

fridgeapp.xyz, <https://github.com/kylegreene/fridgeapp>

A Task Management Application for multi-tenant households

- Architectural design and implementation of authentication system using JavaScript, React/Redux, and Passport.JS frameworks
- Implemented UI views as dictated by mockups provided by UX team members using HTML5, CSS3, and Material UI framework
- Scrum Master for the development team to remove any impediments to delivery, facilitate meetings, and work with the product owner to ensure the project backlog is well defined with features, user stories, acceptance criteria, story points, and tasks

Hang, Software Engineer & Scrum Master

Hangnyc.herokuapp.com, <https://github.com/kylegreene/jestCause>

A communication facilitation application for friends to explore user curated events offline

- Implement user interface using AngularJS, Flexbox, and Bootstrap
- Created new routes to improve the flow of data from server to client by using Express.js and Node.js
- Implemented unit tests and automation tests for the user interface using Selenium
- Scrum Master for the development team to remove any impediments to delivery, facilitate meetings, and work with the product owner to ensure the project backlog is well defined with features, stories, acceptance criteria, story points, and tasks

FreeBy, Software Engineer

Freeby.herokuapp.com, <https://github.com/kylegreene/lookOUT>

A location based application used to find events in a user's locale

- Implemented a service using Express.js to consume, clean, and decorate data from the EventBrite.com API
- Architectural design and implementation of authentication system using PassportJS framework

CalTrack, Software Engineer & Product Owner

Github.com/kylegreene/kylegreenemvp

A food diary and calorie tracking application for daily nutritional consumption

- Designed and implemented the user interface using Backbone.js, CSS, HTML and Bootstrap
- Integrated the Nutritionix API to fetch nutritional data for food items



PROFESSIONAL EXPERIENCE

Teacher

2016

St. Andrew's Episcopal School- Upper School Computer Science (High School)

- AP Computer Science – Instructed students in object-oriented programming in Java 7
- Mathematics – Instructed students in Algebra II, AP Statistics and Calculus Honors
- Led a group of seven teachers through several trainings for integrating technology in the classroom

Teacher

2013 – 2015

The Ramaz School- Upper School Computer Science (High School)

- AP Computer Science – Instructed students in object-oriented programming in Java 7
- Data Structures & Algorithms – Instructed students in for a course in Data Structures and Algorithms
- Robotics - Created as new course instructing students in the practical application of Arduino and Raspberry Pi
- Mathematics – Instructed students in Pre-Calculus, Geometry and AP Calculus

Teacher

2011 – 2013

Convent of the Sacred Heart- Upper School Computer Science (High School)

- AP Computer Science – Instructed students in object-oriented programming in Java 7
- Instructed students in AP Calculus, Honors Calculus, and Geometry
- Member of the Diversity Council which comprised of students and teachers addressing diversity in the school community



EDUCATION

Advanced Software Engineering Immersive Program

2017

Hack Reactor

M.Ed in Educational Leadership

2011

Tennessee State University

Coursework towards a MA in Economics

2007

Central Michigan University

BS in Applied Mathematics

2004

Oakland University

Relevant Courses: Calculus 1-3, Linear Algebra, Object Oriented Programming(Java) I&II, Theory of Computation, Applied Probability and Statistics, Differential Equations, Discrete Math, Number Theory, Mathematical Statistics I, Time-Series Econometrics, Economic Forecasting, Mathematical Economics.



TECHNICAL SKILLS

Scripting & Languages: Python, Object Oriented JavaScript (ES5/ES6), HTML5, CSS2/3, jQuery, d3.js

Frameworks: Django, AngularJS 1/2, ReactJS, Redux, NodeJS, Express, Twitter Bootstrap, Sass, Material UI, underscoreJS

Database: Relational – MySQL, Document – MongoDB

Unit Testing & Automation: Mocha, Chai, Protractor, Selenium

Build & CLI Tools: Grunt, Gulp, NPM, NVM, Bower

Source Control: Git, GitHub

Operating Systems: *nix