MICHAEL T GERVASONI

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Summary

Full-stack Developer with an Engineering background. Interested in all things software engineering. Passionate about solving complex problems to better our world.

Engineering Experience

Junior Software Developer, *The 5th Ingredient, LLC*

June 2018 – Present

- Responsible for developing full stack SaaS modules for big data software
- Gained Proficiency in programming with Apache, MySQL, PHP
- Designed user interface with HTML5 and CSS3
- Created functionality with JavaScript (ES6)
- Applied Dev Ops and deploying with AWS
- Designed cron functions for email and text notifications using AWS Simple Email Server and Twilio.

Full-Stack Web Developer, *Learn Academy*

March 2018 – June 2018

- Created several full stack web applications using React, PostgreSQL, Rails
- Developed RESTful APIs and integrated applications with external APIs
- Applied Pair programming, SCRUM methodology, and test driven development using RSpec, Cabybara, and Enzyme.
- Built and deployed a full stack React with Rails fitness tracking application: https://fitology-app.herokuapp.com

Development Engineer, *HRL Laboratories, LLC*

May 2016 – August 2017

- Led project to develop material from conception to actualization
- Enhanced program by doubling material strength and tripling material durability
- Developed detailed synthesis, processing techniques, and testing procedures
- Met over two dozen deliverables, delivered presentations and authored a patent

Skills

Languages - **JavaScript, PHP, Ruby, Python, C**
Frameworks - **React, Rails, Express, CodeIgniter**
Frontend - **HTML5, CSS3**
Backend – **MySQL, Postgres, Node.js**
Tools - **Git, Linux, LabVIEW, Regex, Command Line, RSpec, Cabybara, Enzyme, MATLAB, R**

Education

B.S. Materials Engineering
UCLA March 2017
Summa cum laude (3.96/4 GPA)

Full-Stack Web Dev Program
Learn Academy June 2018

A.A.S Marketing

Achievements

Patent January 29, 2018
Composite Materials, and Systems and Methods for Making Composite Materials

Publication October 2016
PRiME 2016/230th ECS Meeting
Decreased Surface Porosity and Roughness of InP for Epitaxy: A Path to Integration of High Performance Electronics.

Competition Winner 2016
1st Place: PRiME Poster Competition
2nd Place: RiseUP Research Competition

Scholarships 2015 - 2018
Blue and Gold, Shirley and Walter Wang, University Grant, MUSE Scholar