

Woojay Poynter

Software Engineer

Full-stack Web Developer & Embedded
Firmware Engineer



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github.com/woojay

WORK EXPERIENCE

Software Engineer / Partner modis.io

02/2016 – Present

Wien, AT

Digital & Pyhsical Hybrid Security Product Manufacturer

Achievements/Tasks

- Develop front-end web application with HTML, CSS, Javascript, jQuery, SASS, and Bootstrap
- Develop REST-ful back-end web application with Python, SQL, and Linux
- Develop and test ARM microcontroller firmware in C using AC6 and Atollic IDE
- Test firmware reliability and RTOS performance with JLink debugger and Segger SystemView
- Utilize Git, Github, Gitlab, Slack, Eclipse, PyCharm, and STM32CubeMX for daily production management

Professor

Southwestern Oregon Community College

11/2008 – 02/2017

Oregon, USA

Achievements/Tasks

- Instruct all culinary classes including international cuisine and garde-manger classes for 15-months AAS Culinary Arts program
- Instruct all pastry and baking classes including nutrition, sanitation, bread baking, pastry and confection arts for 15-months AAS Baking & Pastry program
- Received a gold medal in individual category in 2012 Olympiade der Köche in Erfurt, Germany

EDUCATION

M.A. in Economics, Honors University of Oklahoma

1999 – 2002

Oklahoma, USA

Courses

- Information Management, Linear Regression, and Urban Development

B.S. in Computer, Science, Cum Laude Michigan Technological University

1992 – 1996

Michigan, USA

Courses

- Software Engineering, Algorithms, Computer Graphics, Database, and Object-oriented Programming

SKILLS

MEAN Stack Web

JavaScript

HTML5

CSS3

Angular 5

Git / SCM

SASS

Ajax

Node.js

MongoDB

Express.js

SQL

Materialize CSS

Bootstrap

jQuery

API

Python

Django

Google/AWS Cloud

Linux

C / C++

Flask

PERSONAL PROJECTS

Chef Mom Food Blogging Platform (02/2018 – Present)

- A professional client blogging platform built with Angular 5, Contentful CMS, and Google Firebase
- Deploying to DigitalOcean
- Using Angular components like ng-bootstrap and ng-scrollreveal
- <http://www.chefmomfood.com>

Materialize CSS Front-End Portfolio Web Pages (2018)

- Wire-frame demonstration webpages for the latest Materialize CSS framework using Javascript, jQuery, HTML5, CSS3, SASS, and Git
- <http://woojay.github.io>

Mesh ISM-band RF Network (2018)

- Implemented low-cost autonomous wireless mesh network using low-cost ATMEL microcontrollers

Self-balancing Two-Wheeled Robot (2015)

- MEMS and Arduino controlled self-balancing robot using PID

INTERESTS

UI

UX

React

MERN Stack

Vue.js