

# Woojay Poynter

## Software Engineer

Full-stack Web Developer & Embedded  
Firmware Engineer



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Wien, Austria 📍

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## WORK EXPERIENCE

### Chief Technology Officer / Partner modis.io

02/2016 – Present Wien, AT

Digital & Physical 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.
- Build and test custom Linux image using Docker and Vagrant for cross-development targeted for Raspberry Pi.
- 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

Full-stack Web

Python

HTML5

CSS3

Git

Flask

SASS

JavaScript

jQuery

Node.js

Express.js

SQL

MongoDB

Materialize CSS

Bootstrap

MVC

C / C++

Linux

## PERSONAL PROJECTS

### 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> for more.

### 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

## LANGUAGES

English



Korean



German / A1



## INTERESTS

UI

UX

ES6

React

MEAN Stack

Angular

Nginx