

Nathan Smith

San Jose, CA | 408 813 1891 | nrsmith012@gmail.com

github.com/NSMobileCS/ | linkedin.com/in/nathan-smith-56973277/

Technical Skills

Language

Javascript
Python
Ruby
bash

Database

MongoDB
Mongoose.js
MySQL
PostgreSQL
SQLAlchemy
Django RBMS

Data Science

Machine Learning
Sci-kit Learn

Server

Node.js
nginx
UWSGI
https certbot

Frameworks

Ruby on Rails
Django
Angular 5
Meteor
Qt (pyside)
Bootstrap
Flask

Version Control

Git
Github

Operating Systems

Linux (OpenSUSE, Ubuntu)
OS X
Windows

Patterns/Paradigms

Functional Programing
OOP
MVC
RESTful Architecture

Methodology

Agile
Scrum
Test Driven Development

Software Developer - Web and Data

I'm a skilled & motivated Javascript, Python & Ruby developer

Education

Coding Dojo, 2017

Full Stack Web Development Program, Black Belt

Graduated intensive 20 week, 50-60 hr/week web development course. Program taught best practices for teamwork, professionalism, & how to be effective with modern software development tools & workflows. Also included building fully featured apps on 3 full tech stacks (**Django**, **MEAN** & **Ruby on Rails**, all with deployment to EC2 cloud instances).

Udacity, 2015

Courses: Full Stack Web (Python/Flask), Machine Learning, Python Debugging

These courses were a great supplement to my self directed learning program around 2015.

Experience

Sapper Coding LLC., Mar 2018 – Present

Software Engineer

I work closely with management to provide key insights & input, informing our product design. From there, I develop our designs into working software products

NS Mobile Computing Solutions, Sept 2014 – March 2018

Lead Dev Tech

I provided computer support, repair, tutoring & general assistance through NS Mobile Computing Solutions since Fall 2014. Typical services included troubleshooting boot problems; setting up multi-boot environments; solving printing & display problems on Windows & Linux; identifying & solving a variety of network, software & hardware problems; and mobile device services. Sometimes provide Python tutoring to students at CSUMB & MPC

Projects

Sapper Coding Website sappercoding.com I was a leading developer of the Sapper Coding website, building much of its functionality from ui elements to deployment scripts & https integration on the server side.

Angular 5, MongoDB, Firebase, EC2, Bootstrap

PyConwayGame <https://github.com/NSMobileCS/PyConwayGame>

Python implementation of Conway's Game of Life with a few Ux improvements, including ability to pause, step backwards & modify game while running.

Python, Qt, gui, threading, finite automata, Ux

NS_DU Disk Usage Explorer github.com/NSMobileCS/NS_DU

A cross platform desktop gui app I designed & built for practice. NS_DU is like a file explorer, but it recursively sums the total disk space used by all files & subdirectories within a given directory & presents this information in a convenient format. Modular architecture facilitates maintainability & separation of concerns; core module can be run from the terminal, separate from the GUI.

Python, Qt, gui, threading, file system, cross-platform support