

Programmer

Python - utilizing Django & RESTful APIs
C# & C++ / Javascript / HTML / CSS

Pilot

Commercial License
Instrument Rated

Objective

To program in the aviation industry

EXPERIENCE

The Iron Yard, Durham, NC - *Data Science with Python*

July - September 2016

12-week intensive programming course aimed at fully preparing students with the skills of a junior level software developer with emphasis on approaching and solving problems as a developer.

- The course is broken into four three-week sections:
 - Python fundamentals: procedural and OO Programming, testing, data structures, libraries, Git and GitHub, thinking like a developer / problem solver, etc.
 - Data Science: analyzing data using relational databases, Pandas, NumPy, visualization, simulations, and machine learning with Scikit-learn.
 - Web development: Django, HTML, CSS, JavaScript, RESTful APIs, and Heroku.

Capstone Project - *Flight Planning App for the General Aviation Pilot*

- We created ClearSkies, a simplistic, single-page app that gives the general aviation pilot the ability to specify the waypoints of his or her flight plan that returns the cloud base measurements along the intended route of flight.
- This app utilizes the Google Maps API to plot color-coded markers, representing the cloud conditions along the route. The data for these markers are obtained in real time from the FAA weather stations located on approximately 3,200 airfields across the country.
- These weather station locations reside in a database using Django and Python.
- We focused on development and thorough testing of the API, which included the algorithms for calculating the latitude and longitude of the flight corridor that directed the AJAX calls to the database from the front-end.
- Assisted over the full stack as needed for bug fixes and tweaks.
- https://github.com/TRIYGH/Above_The_Clouds

T. Robert Ward, CPA, PLLC, Pinehurst, NC - Owner / Partner

15 years: December 2000 - December 2015

- Catered to ex-military overseas gov't contractors retiring out of SpecOps at Ft. Bragg. (from operators to intelligence analysts to 4-Star Generals to pilots to agency / bureau contractors)
- Built practice up to a 7 person firm -
 - Managing employees and independent contractors
 - Obtaining new clientele
 - Running the day to day operations
- Sold in December to an employee, after building practice from scratch

Deloitte & Touche, Charlotte, NC

Senior Staff

December 1998 - December 2000

KPMG Peat Marwick, Charlotte, NC

Staff

July 1996 - November 1998

Lehman Brothers, New York City, NY

Associate

1991 - 1992

EDUCATION

The Iron Yard at Durham

Certificate - Back-End Engineering with Python

July - September 2016

N.C. State University, Raleigh, NC

Master of Accounting - Tax Concentration

June 1995 - May 1996

University of North Carolina at Chapel Hill

Bachelor of Arts - Advertising

August 1987 - December 1991

What I bring to your table:

As evidenced above, I am a technical-by-nature type of person who not only loves programming, but has an equal love of aviation. I offer sharp programming skills with all the knowledge of a pilot wrapped in proven past success.