

---

## Shawn Underwood

4101 Avenue B

Council Bluffs, IA 51501

(712) 890-9246

[sunderwooddeveloper@gmail.com](mailto:sunderwooddeveloper@gmail.com)

[shawnunderwood.com](http://shawnunderwood.com)

## SKILLS

Programming Languages: Python, C#, Javascript, Typescript, Java, XML

Frameworks: Flask, ASP.NET, Django, Angular (Mobile and Web Applications)

Server / Backend Services: AWS, Google Cloud, Linux, Windows Server, ESXi Vmware, Firebase, Kubernetes, Docker, Kafka

Database: Postgres, Mongo, MySQL, SQL Server, SQLite

## PROJECTS

[Voicemailmachine.com](http://Voicemailmachine.com) A smart voicemail management service built using Twilio, IBM Watson, and developed with Python Fast API and Kafka hosted on Linux Ubuntu Server with Docker and Kubernetes using Linode.

Speech and Text Machine Learning Applications; developed with Python TensorFlow.

Call Center Management Website; developed with ASP.NET and hosted on Windows Server.

Android apps on the google play store. [My Apps on Google Play](#)

Google Voice Assistant; developed with Dialogue Flow and a Python Flask webhook, hosted on Linux Ubuntu Server using AWS.

E-Commerce Website; developed with Python Flask hosted on Linux Ubuntu Server with Docker using AWS.

## EXPERIENCE

**ICF International** - *Software App Eng*

MAY 2019 - PRESENT

- Lead daily standup / JIRA morning meetings with the Team and Directors.
- Developed a large amount of Javascript features to meet client's needs that I was able to hire a team and manager to further develop and maintain.
- Developed a machine learning application using Microsoft LUIS and Python TensorFlow to analyze audio recordings, find discrepancies, and display them for quality assurance employees.
- Developed a call center management portal with schedule and attendance features using ASP.NET and Azure.
- Developed a machine learning application using Python Tensorflow with other NLP algorithms to analyze documents by the sentence and reorganize the data saving team members days of work.
- Developed Python scripts for our San Fransico biology lab to help them capture and record species counts.
- Developed a front-end site using Python Flask with Docker and Kubernetes to process imported data. That data is stored in a database and then is used by a Python Tensorflow machine learning application to process and provide an export for the user.
- Developed numerous scripts using Python Pandas and Javascript across the company to save employees time.

---

**Union Pacific Railroad** - *New Growth Eng*

DECEMBER 2017 - JULY 2019

- Project Lead in company-wide mobile app rollout which entails inventory management, system activation, software configuration to specific locations, project timeline management, and working closely with stakeholders to ensure the project is completed in a satisfactory and professional manner.
- Developed an Angular mobile application using Cordova for our company-wide mobile app rollout.

## EDUCATION

**The University of Nebraska at Omaha** - *Bachelors in Computer Science*

AUGUST 2018 - MAY 2020

**Iowa Western Community College** - *Associates in Computer Science*

AUGUST 2016 - MAY 2018