

Paul Fjare

Software Engineer

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Software Engineer transitioning from a career as a Mechanical Engineer that provided experience in using code to solve real-world problems and in analyzing data. Proven ability to successfully respond to customer feedback and to work within a team to solve complex technical problems and develop products.

Work Experience

Dronesmith Technologies | Mechanical Engineer and Software Engineering Assistant

Aug 2014 to Mar 2017

- Added user login and password reset functionality to a web app with a Bootstrap/Angular.js front-end and a Node.js/Express back-end.
- Wrote Python scripts to test the company's API product.
- Created tutorials for using the API and maintained API documentation.
- Demonstrated an ability to improve products in response to customer feedback.

Savvy Streets Inc. | Front End Web Developer

2013 to 2016

- Created static websites hosted on AWS S3 server to market apps.
- Collaborated in the design of user interfaces for mobile apps.

Education

Nanodegree – Full Stack Web Developer | Udacity

Mar 2020 to May 2020

- SQL and Data Modeling for the Web - Python, SQL, Postgres, SQLAlchemy
- API Development and Documentation - Flask, Unittest
- Identity Access Management - Auth0, Role-based access controls (RBAC)
- Server Deployment and Containerization - Docker, Kubernetes

Master of Science – Mechanical Engineering | University of Nevada, Las Vegas

Aug 2012 to Aug 2014

Bachelor of Science – Mechanical Engineering | University of Nevada, Las Vegas

Aug 2007 to May 2012

Projects

Open Source Wifi Blinds IoT Electronic Device

- Programmed a micro-controller in C to control a motor and get data sensor data.
- Created an Android app to control the device over WiFi.

Graduate Thesis Project

Created a speed controller for an engine on a small aircraft that implemented a PID control algorithm written in C.

Skills

Python Flask SQL CSS HTML JavaScript Node.js Angular.js
Vue.js C for embedded electronics GitHub Photoshop Illustrator