

## CAREER PROFILE

Graduate of Eastern Washington University with a degree in Electrical Engineering and a focus on hardware software integration and machine learning. Former avionics technician with the United States Army National Guard. Value a strong work ethic, enthusiastic learner, and always looking to expand my technical knowledge base.

## EXPERIENCES

### Digital Analyst

2019 - Present

[Adswerve, Seattle](#)

Work closely with clients to determine user data that should be captured then devise a plan of action to provide a smooth rollout without loss of data and to overcome any technical implementation obstacles. Review client websites to ensure proper implementation of GTM and GA JavaScript libraries. Write custom JavaScript for GTM tags and datalayers. Some of the clients I have worked closely with include: IBM, Unity3d, and XFL.

### Avionics Technician

2018 - 2019

[Collins Aerospace, Seattle](#)

Troubleshoot and repair avionics in accordance with FAA standards while maintaining ontime delivery. Revised test procedures and greatly increasing efficiency while reducing test time. Created troubleshooting guides to reduce training time for new employees by giving them access to previously known tribal knowledge.

### Electrical Engineering Student

2014 - 2019

[Eastern Washington University, Seattle](#)

Studied Electrical Engineering at Eastern Washington University. Primary focus was placed on embedded systems, digital networks and machine learning with an effort on learning how to best implement software and hardware systems.

## PROJECTS

**GTM container automation** - A Python application that creates GTM containers from a data dictionary (.csv). Utilized POST and GET requests via Google APIs to create and publish the container.

**Automated electric brewery** - Designed and built a fully automated, three stage, ten gallon, home brew setup. A PIC32 was used to read temperature sensors and control pump motors and solenoid valves.

**Machine learning class projects** - Utilized a variety of supervised and unsupervised ML algorithms to classify a variety of datasets and images. Data engineering techniques were used to clean up poorly categorized data.

**Self learning project** - Self learning web technologies through personal projects such as building a social media enhanced website. Technologies include: Django, React and Firebase.


## SKILLS & PROFICIENCY



## Derrick Beckler

Electical Engineer &  
Developer

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## EDUCATION

### BSc in Electrical Engineering

Eastern Washington University  
2014 - 2019

### Distinguished Honor Graduate

### School of Avionics

United States Army  
2001

## INTERESTS

Cars and motorcycles

Guitar and drums

Brewing beer

Snowboarding

Cooking

## ADDITIONAL KNOWLEDGE

Linux

Scikit-Learn

NumPy

Java, C/C++, Assembly

LTspice