PIERSON L. BRANNAN

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CLEARANCE

Active Secret,
Interim Top Secret

EDUCATION

ARIZONA STATE UNIVERSITY
B.S. Software Engineering
Tempe, AZ (online) | Present

GENERAL ASSEMBLY
G.S.C. Web Development
Washington, DC | Dec 2018 – Mar 2019

HARDIN-SIMMONS UNIVERSITY
B.A. Music Education *(Withdraw Pass)*
Abilene, TX | May 2013 – June 2014

LANGUAGES

CSS 3
Java 8+
JavaScript ES5, ES6
Lua 2.2+
Python3
Shell

TOOLS

AWS CloudFront
AWS Route 53
AWS S3
Bootstrap
Data Modeling
Django
Kong API Gateway
LDAP
Microprocessors
Node
Pug
Qlik Data Loader
Qlik Sense
React
SASS/SCSS

~ Italicized is recent technology ~

EXPERIENCE

BLACK WILLOW | Manassas, VA
April 2019 – Present
Software Developer, Qlik Sense
   - Developed and integrated a switchable dark mode for Qlik Sense Desktop.
   - Automated the data cleaning, handling, and modeling prior to it entering Qlik Sense's Data Load Script.
   - Wrote a Qlik Sense Data Load Script that calculates and adds certain fields that are too large to handle in front-end expressions.
   - Created several Qlik Sense dashboards.
Web Developer
   - Created Black Willow's website using Pug, SCSS, and shell scripts.
   - Worked on Kong API Gateway authentication plugin that talked to an LDAP server.
Software Developer, Workflow Automation
   - Automated the workflow of a complex government process, involving complex decision trees and intermediary logic.

U.S. MARINES | Washington, DC
Professional Tuba Player
November 2014 – November 2018
   - Maintained the highest level of proficiency in the tuba.
   - Performed in over 300 performances in "The Commandant's Own", the United States Marine Drum & Bugle Corps, a premier government music ensemble.

Public Affairs Chief
May 2018 – November 2018
- Meritoriously promoted to lead the Public Affairs Office, a billet typically held by an E-6 to E-8.
- Completed 87 projects with total U.S. Dept. of Labor estimated savings of $465,000.

~ Previous experiences hidden ~

AWARDS

Letter of Appreciation from Commandant of the United States
Letter from General Robert Neller, 37th Commandant of the United States, for outstanding service and dedication to country and Corps during time served in the U.S. Marines.

Navy Achievement Medal
For dedication and commitment in the creation and oversight of 87 projects during personal liberty time (volunteering). Resulted in "The Commandant's Own" saving an estimated $399,05 to $531,150 over the course of three years.

Meritorious Unit Commendation
For excellent and phenomenal performance and demeanor while representing the United States abroad in Europe and Canada.

National John Philip Sousa Award
The pinnacle of high school music achievement, for superior musicianship and uncommon dedication to instrumental proficiency.

I regularly make games and other software for my own learning and enjoyment. Below are some of the highlights of the my creations.

Traders of the North

Hosted: traders.bananabrann.com
Repo: https://github.com/bananabrann/traders-of-the-north
A simple Viking-themed trading game where the player competes with the computer to take home the best loot. Game is completely finished, but art is currently in commission and is released in chunks.

- Built in **React**
- Shell scripts **automate deployment**.
- Hosted on **AWS S3**, with DNS from **Route 53** and CDN with **CloudFront**
- Compatible with **Docker**

Debbie the Decibel Reading Robot

Physical Item
Repo: https://github.com/bananabrann/debbie
Very simple robot that detects sound waves around it and converts and display the decibel level, all on an onboard Elegoo R3 microprocessor. This project was done to primarily show that I can do new things.

- Pictures in the repo's README.md
- Built with C++ using the Arduino library

JDavisArrangements.com

Never Deployed – Customer Loss of Communication
Repo: https://github.com/bananabrann/eb-jdavisarrangements.com
A music site commission for Jon Davis's band arrangements. Site's functionality is complete, but not styling. Jon is able to login, upload an audio file with description texts, to which is then stored in a database and displayed dynamically on the site for customers to explore and listen to his work.

- Built with **Django** and **Python**
- Django built-in **authentication**
- User can **upload an audio file,** to which the site then successfully allows playback
- Setup to use AWS **DynamoDB**, but development environment uses local storage for its database of uploaded audio and text.

Flameboi Slack Bot

codedevils.slack.com
Private Codebase
Worked on a Slack bot named Flameboi for the Arizona State CodeDevil student organization. Uses the Slack API and AWS Lambda to do various things such as forward Google Calendar events, detect and post CPU folding statistics, and many more functions, such as a dice roller command for Dungeons & Dragons games.