

William Dyrland-Marquis

Certified Software Engineer

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SUMMARY

Software engineer with a 10-year background using Linux systems and developing software. Currently providing data analytics and software engineering at Alphamatician. Inclined towards back-end technologies.

PROJECTS

LoveBank - Android/iOS Flutter app - Flutter, Firestore, Firebase, Typescript, Redux, Cloud Functions **2020**

- Uses Redux as the state management solution for the app to prevent widget tree shaking.
- Utilizes Google Cloud Functions for a cloud-based backend.
- Automatically updates app state upon changes to Firestore data.

Rocket Riders - Holberton School Foundation project - AWS, JavaScript, NGINX, React, Phaser3 **2020**

- Makes use of custom AI algorithms for challenging gameplay.
- Hosted in an AWS EC2 container.
- Created as a team project using the scrum agile development methodology.

LeveledLoot - A Minecraft mod to drop loot by level - Scala, Forge API, Mod Coder Pack, Gradle **2020**

- Runs on top of the Forge Modloader API.
- Uses custom gradle configuration for a fully Scala mod.
- Makes use of the Mod Coder Pack for deobfuscation of source files for ease of development.

Clockwork Coders Visualizer - An audio visualization program - Java, Swing, DFT **2012**

- Generates images from sound waveforms.
- Uses the Discrete Fourier transform to decompose audio.
- Visualizes using the Java Swing GUI library.

EXPERIENCE

GittieLabs, Remote **May 2020 - Current**

Software Engineering Intern

- Worked with 10 other people on an agile development team to produce deliverables in two-week sprints.

Alphamatician, Remote **Jan 2020 - Current**

Data Analyst/Software Engineer

- Analyzed website code structures and wrote code to extract and classify data to then be used by top financial firms.

CERTIFICATIONS

Certification - Triplebyte

Generalist Software Engineer

Scholarship - Governor of Montana

Governor's Best and Brightest

1st Place Team - Holberton School

API Hackathon

Top 25 - Holberton School

Founders' Hacking Challenge

Certificate - Holberton School Foundation

Valedictorian

Diploma - Highwood High School

Valedictorian

LANGUAGES

English (Native)

Spanish (Advanced)

SOCIAL

 [linkedin.com/in/william-dyrland-marquis](https://www.linkedin.com/in/william-dyrland-marquis)

 github.com/maybe-william

 [codewars.com/users/maybe-william](https://www.codewars.com/users/maybe-william)

 [hackerrank.com/191marquis](https://www.hackerrank.com/191marquis)

REFERENCES

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