Joao Freza Foltran

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Education	**University of Wisconsin, Madison**

- Bachelor of Science Electrical Engineering, 2019
- Bachelor of Science Mathematics, 2019

Cumulative GPA 3.94 out of 4.0

Experience

Android Engineer, PagSeguro   *Sao Paulo, Brazil: Oct 2021 - Present*

- Develop new features for Android app with millions of users in the mobile payment industry, following clean architecture standards, such as MVVM.
- Monitor production releases for stability and unresolved bugs and work to promptly solve them.
- Improve CI and CD pipelines to ensure best practices in Kotlin and Android development are met.

Software Engineer, Snow Fox AI   *Halifax, Canada: Aug 2020 - Oct 2021*

- Develop a client-facing API in Python to deliver marketing campaigns to users, and a dashboard in Flask to track ROI, display usage statistics and build marketing campaigns.
- Develop a mobile app with React Native sharing its codebase and design system with a web app for Julius Baer clients to track investment portfolios.
- Maintain the codebase for Julius Baer native mobile apps in Java and Objective C, while analyzing and fixing existing security vulnerabilities.

Software Engineer, DoIT   *Madison, WI, USA: Jan 2018 - Aug 2020*

- Develop and improve API used by Canvas question engine software to meet network security protocols.
- Resolve database import issues causing downtime in Canvas by importing courses in separate threads.
- Lead consultant team to support large-scale use of Canvas tool, including API configuration and content authoring.

Teaching Experience

Teaching Assistant, UW-Madison   *Madison, WI, USA: Jan 2018 - Oct 2018*

- Assistant of Professor Felix Liu and Michael Morrow in electric circuits course.
- Assistant of Professor William Sethares and Andreas Velten in signal processing courses.

Coding Skills

Java / Kotlin
- Fluent in developing Android apps, using Android APIs and Java libraries.
- Proficient in architecting large-scale Android projects.

Javascript
- Fluent in developing React Native, React and web apps. Proficient in using Angular.
- Fluent in using Node.js and constructing webhooks with AWS lambda.

Python
- Proficient in designing applications using web frameworks including Flask and Django.
- Fluent in libraries including boto3, numpy, pandas for data analysis and database management.

Objective-C
- Experienced in developing and maintaining iOS apps.
- Experienced in analyzing security vulnerabilities in iOS apps.

C / C++
- Proficient in using standard libraries and signal processing libraries including JUCE.
- Proficient in designing real-time audio processing algorithms for embedded hardware.