# **JACQUES MATHIEU**

web/software developer at Riis, LLC

#### **EDUCATION**

Northeastern University

Khoury College of Computer Sciences

bachelor of science in computer science & music dean's list | last 2 semesters

Cranbrook Kingswood High School

FTC robotics team co-captain & lead software dev.

AP scholar & FTC world championship finals '10, '11, '14

Bloomfield Hills, MI

## **CONTACT**

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**雷** (248)-410-5877

tinyurl.com/jmath-portfolio

Clawson, Michigan

#### **WORK EXPERIENCE**

Skyward.io

Front End Developer (Remote)

Portland, OR

Boston, MA

09/2014 - 03/2019

10/2021 - 05/2022

- maintained and added enhancements to Skyward's client-facing web application
- prioritized development and improvement of front-end components using React, SCSS and Google Material UI
- refactored monolithic components to improve testability and malleability
- worked with technologies such as Redux, Cypress and Jest to ensure code quality
- helped pioneer development of a new Skyward web app using React, MobX and JSDocs, with a focus on built-in accessibility and slim distribution size
- created foundational features such as locale support & offline capabilities using service workers

#### Verizon: 5G Disruption

Irvine, CA

Software Engineer (Remote)

07/2021 - 09/2021

- aided in the creation of two entirely new codebases, written in Python and Typescript (TS) respectively
- shared, learned, and established norms as part of a new team of developers
- acquired knowledge on how to use Docker, Windows Subsystem for Linux (WSL), and other helpful tools to assist in the develop and deploy process
- implemented TypeDoc in the TS project to automatically generate code documentation
- wrote tests using Jest (TS) as a test framework and mocked external dependencies where applicable
- helped work on pre-commit hooks to run tests, linting, and other checks to ensure code quality

### Ford Credit: Account Manager

Dearborn, MI

#### Full Stack Developer

12/2019 - 07/2021

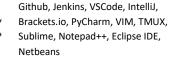
- helped modernize the Account Manager (AM) web application to improve the experience for customers looking to monitor their vehicle expenses, extend their lease, etc.
- improved my TDD, pair programming skills and learned the inner workings of a complex web app
- employed Angular, NgRx & SASS on the front end of the app and used Spring Boot & Java for the backend
- automated deployment and testing processes using Jenkins pipelines and git hooks (where applicable)
- learned the workings of Pivotal Cloud Foundry and how to host an application on such a server
- investigated production incidents using Splunk and Dynatrace to diagnose system failures and culpability
- created Splunk dashboards and alerts for new features to keep track of failures and stop them as quickly as possible in the event of a production issue
- implemented and consumed APIs to provide others with information unique to our team or to offload business logic from our codebase
- incorporated Postman collections to automate integration and end to end testing of our application

## **TECHNICAL SKILLS**

Spring Boot, Java, JUnit, Python, VBA, R, C, C++, RobotC, ACL2s, Racket.







Expert in Ableton Live, Max/MSP, Adobe Photoshop, Microsoft Office

## **OTHER SKILLS**

Business level of the French language

Classically trained pianist; play on occasion to pass the time

Electronic music producer (my work can be found using the link to my website above)

