JACQUES MATHIEU

web/software developer
seeking full-time opportunity

EDUCATION

Northeastern University	Boston, MA
Khoury College of Computer Sciences	09/2014 – 03/2019

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

Cranbrook Kingswood High School	Bloomfield Hills, MI
	2009-2014

FTC robotics team co-captain & lead software dev.
AP scholar & FTC world championship finals '10, '11, '14

WORK EXPERIENCE

Massachusetts' Office of the Attorney General	Boston, MA
Business Applications Developer – Co-op	01/2018 – 07/2018

- created data ingestion and conversion capability of Mass. Board of Bar Overseers website for internal attorney staff database usage
- maintained office-wide public intake system configured with Hyland OnBase
- facilitated development of new litigation management system for attorneys using OnBase
- standardized stylesheet for all views in intake system, and litigation management system
- utilized Agile lifecycle stratagem to efficiently implement new goals each sprint
- conducted user feedback and discovery work meetings for developing system improvements
- utilized Python and data analytics to aid decision making
- other responsibilities including creating projects to improve team workflow

Harvard Innovation Labs: SparkCo, Inc.	Boston, MA
Web Architect – Co-op	01/2017 – 07/2017

- created sales agent view, admin view, and client facing view for sales business application
- gamified platform with design & implementation of scoring system for agents using PHP, MySQL and JS
- automated client setup process using PHP, MySQL, & dynamically generated HTML
- built automatic billing system to charge clients using CRON jobs, PHP & Stripe.io
- developed dynamic web-based file editor for non-technical admins
- assembled MySQL database to accommodate 1M chat transcripts for future analytics

Danlaw, Inc.	Novi, MI
Web Developer Intern – Co-op	03/2015 – 08/2015

- developed UI and UX for VECO 2.0 Website, a website used by Danlaw clients to search and compare the compatibility of various OEM car models with Danlaw datalogger versions
- collaborated with graphics designer to streamline website interaction, completed admin view of website
- edited frontend using CSS and HTML and used AngularJS and MongoDB to extract backend data for display

CONTACT

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☎ (248)-410-5877

💻 tinyurl.com/jmath-portfolio

🏠 229 Saxon Ct., Rochester Hills, MI

TECHNICAL SKILLS

Java, Python, VBA, R, C, RobotC, ACL2s, Racket. *Working knowledge: Obj C, Assembly*

CSS, HTML, SASS, React, JS, PHP, Bootstrap, JQuery, Kendo UI, Angular

SQL, Apache CouchDB. *Working knowledge: MongoDB*

Github, Atom, Brackets.io, PyCharm, VIM, TMUX, Sublime, Notepad++, Eclipse IDE, Netbeans

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

OTHER SKILLS

Business level of the French language

Classically trained pianist; playing for ~16 years

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

jacques **m** mathieu

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PROJECT EXPERIENCE

Music File Organizer
Tech Stack

Personal Project | Time dedicated: 6 mo.   Java, Maven, Netbeans, Swing, AWT

Goal: create a program to help me move my music files and update their metadata

- program detects newly downloaded audio files and prompts user to update the metadata (if it is missing)
- converts '.wav' files into '.mp3' files automatically to ensure audio file type consistency, to maximize computer storage efficacy, and to enable full metadata manipulation
- created simple GUI using Netbeans, Java AWT and Java Swing graphical components libraries
    o main page consists of 3 buttons, one to move audio files from the downloads folder to an editing directory, one to edit these audio files and a third to move the edited files to the destination folder
- editing view automatically fills album name based on entered track title (since most of my songs are singles)
- same view inserts given artist name as the album artist (since the artist of a song is likely the artist of the album)
- created custom configuration file type '.musf' and file interpreter to read and modify program configuration
- in the future, I plan to fully port this project to Python

Personal Website
Tech Stack

Personal Project | Time dedicated: 6 mo.   React, SASS, GitHub, HTML, Brackets.io

Goal: create a site that conveys the work I have done in music and technology

- first iteration was built off of an HTML template, plain JavaScript components I created and custom CSS
- this version of the site became difficult to develop, so I employed a new approach using ReactJS, SASS & Brackets.io
- with this new approach, I was able to completely customize the website's UI and convey my artistic capabilities
- I designed custom assets for this site, aside from the basic utility icons used as links in each page section
- later on, I aim to create an ever-more immersive experience that continues to push the norms in UI design

Note: some of my projects can be viewed on my GitHub page, accessible via my website at tinyurl.com/jmath-portfolio. other projects can be found on my Codepen page at codepen.io/jmathieu145.

REFERENCES

Aaron Kravitz
Massachusetts' Office of the Attorney General

Business Analyst (Co-worker & Mentor)   Met January 2018

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Mike Blicher
MCBNetwrx, LLC

Managing Director (Mentor & Career Advisor)   Met May 2015

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