

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
FTC robotics team co-captain & lead software dev. 2009-2014
AP scholar & FTC world championship finals '09, '10, '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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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  mathieu

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PROJECT EXPERIENCE

Music File Organizer

Tech Stack

Personal Project | Time dedicated: 6 mo.

Java, Maven & Netbeans

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

- program detects newly downloaded audio files and immediately prompts user to update the metadata (if it is missing)
- converts 'wav' files automatically to 'mp3' file format
- fills album name based on track title (since most of my songs are singles)
- inserts given artist name as the album artist (since most artists of a song are also the artist behind the album)
- created custom config file type '.musf' and interpreter to modify contents of file
- 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 implemented a new approach using ReactJS, SASS and Brackets.io
- the website's UI is now completely custom and conveys my personality through its design
- custom assets were used in the development of this site, aside from the basic utility icons used as links in each page section
- its simple design approach has allowed me to push updates to the site very frequently
- later on, I aim to create an ever-more immersive experience

Note: some of my projects can be viewed on my GitHub page, accessible via my [website](#).
other projects can be found on my codepen page [here](#).


REFERENCES

Aaron Kravitz

Massachusetts' Office of the Attorney General

Business Analyst (Co-worker & Mentor)

Met January 2018

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Mike Blicher

MCBNetworkrx, LLC

Managing Director (Mentor & Career Advisor)

Met May 2015

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