AUGUSTO MOTA PINHEIRO

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows • Android • iOS • Ubuntu

Programming | C# • Java • Dart • C++ • JavaScript • HTML • CSS • Xojo (VisualBasic)

Platforms | .NET • Unity • Docker • Portainer • Processing • Flutter • Firebase • MongoDB • Nuxt.JS • Vue • Xojo

Methodologies | Agile • Scrum

Other | Visual Studio • GitHub • SolidWorks • FreeCAD • 3D Printing • Microsoft Office • Blender • DaVinci Resolve • Premiere Pro • After Effects

Languages | Portuguese (Spoken & Written) • French (Spoken & Written) • English (Spoken & Written) • Spanish (Beginner)

Licenses & Certifications | National Lifeguard (2018-2022) • First Aid & CPR (2017-2023)

EDUCATION

Bachelor of Computer Science Co-op with Minor in Economics   **2021-2024**
Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
- Probabilities & Statistics
- System Hardware
- Introduction to Microeconomics
- 3.9 GPA

DEC in Interactive Media Arts   **2019-2021**
Dawson College, Montreal, QC
- Honor Roll Student (All 4 semesters)

WORK EXPERIENCE

Full Stack Developer   **May 2021-August 2022**
Dawson College, Montreal, QC
- Introduced and created an ingest tool for members of the team to upload and maintain app content
- Created and maintaining external documentation of all systems and scripts of the project
- Pushed for deployment of Docker and helped its implementation for their backend
- Built an AR app showcasing historical sites around Dawson College, using Unity & AR Foundation to implement AR features like geolocation, 3D tracking, image recognition and media presentation, etc.
- Improved my Product Design skills by actively participating in meetings and proposing new creative ideas

Digital Lab Technician   **Jan 2021-Jun 2022**
Collège Beaubois, Montreal, QC
- Operating and maintaining 3D printers as well as the laser cutter & engraver
- Helping colleagues in using different software or operating and repairing the machines
- Coming up with interesting and creative school projects, like workshops on Blender, Unity, Arduino projects, etc.

CO-OP

UNIVERSITÉ
Concordia
UNIVERSITY

INSTITUTE FOR
CO-OPERATIVE EDUCATION

PROJECTS

Mia – SpotMicro Build (Academic & Personal)   2020-Present
Dawson College, Montreal, QC
- Worked on an advanced solo project for my *Physical Computing* class at Dawson
- Created a robot that moved with more unconventional means
- Implemented inverse kinematics and pre-programmed gait routines
- Researching how to implement Reinforcement Learning for a better gait
- Learned a great deal in a multitude of fields (CAD, 3D Printing, Circuits & Electronics)

Home Server on Docker (Personal)   2021-Present
Home, Montreal, QC
- Created a secure, internet-accessible home server running on Docker
- Maintain a Minecraft server, a file sharing service, personal and academic websites on different containers

Valleyfield Game Jams (Personal)   2020-2021
College Valleyfield, Salaberry-de-Valleyfield, QC
- Participated in game making competitions for CEGEP student teams
- Contributed as the main programmer in a team of 6 people
- Created 2 games through hard work and creativity
- Used Unity as our game engine of choice, as well as artistic tools such as Photoshop, Illustrator & more
- Included a multiplayer leaderboard in the 2021 submission by connecting the game to a MongoDB database

ASSOCIATIONS

Head of Electronics   May 2022-Present
Nanostride, Montreal, QC
- Leader of the electronics team
- Designed and built electronic motor, sensory and processing circuits for *Cody*, Concordia's future welcoming robot

Troop Leader   Sept 2016-Present
Scouts 2ème St-Raphael, Montreal, QC
- Began as participant and am now leading the boys' troop with the help of my co-leaders
- Participated and now also organize numerous volunteering activities for the neighborhood
- Take care of the administrative aspects, but also organize different activities (i.e. outdoor & team building games, online activities, etc.) each week as well as camps (fall, winter, and summer)

INTERESTS

Experience Abroad	Born in Brazil, having lived in Mexico and having changed houses a dozen times across America, my experience with a multitude of cultures and environments
Video Games	A huge force in my programming path, I found my passion for discovering how the digital world works through playing a multitude of games starting with *LEGO Star Wars*
Reading	From science-fiction to fantasy, my interest in a good book stays with me along the way
Swimming	Since very young, water has always been a big factor for my life which made me into a good swimmer, being mostly taught by my father
LEGO	The programming language for the physical world, LEGO sets have been, and still are, a great passion of mine