

# Joseph M Hurd

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## ABOUT

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I am a software engineering graduate and application developer with proficiencies in object oriented programming, data management, and cross-platform application development. I enjoy developing software tools for education, entertainment, and convenience. From ideation to deployment, I have developed and published multiple globally reaching applications that serve tens of thousands of users around the world.

## EDUCATION

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**Western Governors University**, Salt Lake City, UT

**2022 – 2024**

*Bachelor of Science, Software Engineering*

National Honor Society of Leadership and Success

## PUBLISHED APPLICATIONS

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**HPTX** (iOS)

[apps.apple.com/us/app/hptx/id6444636988](https://apps.apple.com/us/app/hptx/id6444636988)

- Utility and wellness application that is designed to treat neuropathia and low-grade axonotmesis nerve injuries by turning the user's iPhone into a haptic controller that is capable of generating more than 10,000 unique haptic responses to re-educate nerve pathways through personalized stimulation therapy.

**Pocket Chops** (iOS)

[apps.apple.com/us/app/pocket-chops/id1598472861](https://apps.apple.com/us/app/pocket-chops/id1598472861)

- Music education application that guides drummers through tailored practice sessions by equipping them with more than 2,300 procedurally generated rudiments, 15 custom presets, progressive difficulty levels, various time signatures, an adjustable metronome with multi-sensory functionalities, virtual practice pads with input-responsive sounds and haptics, real-time accuracy feedback, and global community rankings.

**Doge Flyer** (iOS/Android)

[apps.apple.com/us/app/doge-flyer/id1562934621](https://apps.apple.com/us/app/doge-flyer/id1562934621)

- Arcade style racing game that enlists users to fly through space, dodge asteroids, activate powerups, and collect coins while unlocking upgrades and competing on globally ranked leaderboards.

## ACADEMIC PROJECTS

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**Product Backlog** (iOS/Android)

[github.com/joethehurd/ProductBacklog](https://github.com/joethehurd/ProductBacklog)

- Management productivity application that enables project managers to prioritize and manage products, tasks, and requirements, with features including CRUD operations, login functionality, advanced search capabilities, report generation, and automated sorting for enhanced project organization.

**Curriculum Builder** (Android)

[github.com/joethehurd/CurriculumBuilder](https://github.com/joethehurd/CurriculumBuilder)

- Education productivity application that enables students to build and manage academic terms, courses, and assessments, with features including seamless data entry, modification, and deletion, customizable alerts, and convenient note-sharing capabilities via SMS and email.

**Scheduling Software** (Windows)

[github.com/joethehurd/SchedulingSoftware](https://github.com/joethehurd/SchedulingSoftware)

- Business productivity application that enables users to manage customers and global business scheduling processes, with features including login functionality, report generation, appointment tracking, user activity logging, notifications, and automated adjustments for language, time zones, and daylight savings.

**Inventory Management System** (Windows)

[github.com/joethehurd/InventoryManagementSystem](https://github.com/joethehurd/InventoryManagementSystem)

- Business productivity application that enables users to track and manage products and associated parts, with features including manufacturer tracking, search functionality, and secure input validation.

## SKILLS

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**Object Oriented Programming:** C#, Java, Python, C++

**Data Management:** SQL, SQLite, MySQL, PostgreSQL

**.NET Development:** XAML, MAUI, WinForms, Visual Studio

**Mobile Development:** .NET, Unity, Xcode, Android Studio

**Web Development:** HTML, CSS, WordPress, GitHub Pages

**UI/UX Design:** Figma, Inkscape, AutoCAD, Adobe XD

**Asset/Media Production:** Blender, REAPER, DaVinci Resolve, GIMP

**Certifications:** AWS Cloud Practitioner, CompTIA Project+, CompTIA A+, ITIL IT Service Management