

# Joseph M Hurd

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## ABOUT

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Software engineer and cross-platform application developer with an emphasis in C#, XAML, SQL, Unity, and the .NET ecosystem. Published multiple titles serving tens of thousands of users around the world. Special interests include developing software tools for education, entertainment, and convenience.

## EDUCATION

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**Western Governors University**, Salt Lake City, UT  
*Bachelor of Science, Software Engineering*

**2022 – 2024**  
National Honor Society of Leadership and Success

## PUBLISHED TITLES

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### **Pocket Chops** (iOS)

- Music/education app that guides users through practicing drum rudiments by algorithmically generating thousands of practice rudiments in various difficulties and time signatures while enabling users to create and record their own custom rudiments with the support of a dynamic metronome and input-responsive sounds and haptics. Includes a lifetime hit counter and leaderboards for tracking the user's progress against drummers around the world.

### **HPTX** (iOS)

- Utility/convenience app that turns the user's iPhone into a haptic controller that is capable of generating over 10,000 unique haptic responses while simultaneously looping transient and continuous haptics at rates of up to 1,200 RPM.

### **Doge Flyer** (iOS/Android)

- Arcade style racing game that enlists users to fly through space, dodge asteroids, and collect coins while unlocking upgrades and competing on globally ranked leaderboards. Includes 3rd party advertisements and in-app purchases.

## ACADEMIC PROJECTS

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### **Product Backlog** (iOS/Android)

- Productivity app that enables project managers to track and manage their products, tasks associated with each product, and requirements associated with each task. The app allows users to log in and out, create, read, update, and delete data, perform searches, generate and filter reports, and set alerts and notifications. User lists are automatically sorted by date, status, and priority.

### **Curriculum Builder** (Android)

- Education/productivity app that enables students to track and manage their academic terms, courses associated with each term, and assessments associated with each course. The app allows users to enter, edit, and delete term, course, and assessment data, set alerts and notifications, and share notes via SMS and email.

### **Scheduling Software** (Windows)

- Business/productivity app that enables users to manage customers and global business scheduling processes. The app allows users to log in and out, generate and filter reports, and add, update, and delete customer records and appointments. The app also determines the user's location and automatically adjusts language and time while considering time zones and daylight-savings. Appointment types are captured with a link to the associated customer record in the database, user activity is tracked and logged, and the user is notified of upcoming appointments.

### **Inventory Management System** (Windows)

- Business/productivity app that enables users to manage products and parts associated with each product. The app allows users to add, modify, and delete items, perform searches, track in-house and outsourced manufacturer types, and undo accidental part deletions. All user input is validated via exception handling.

## CERTIFICATIONS

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| • AWS Cloud Practitioner     | issued by <i>Amazon Web Services</i> , <b>2023</b> |
| • CompTIA Project+           | issued by <i>CompTIA</i> , <b>2023</b>             |
| • CompTIA A+                 | issued by <i>CompTIA</i> , <b>2022</b>             |
| • ITIL IT Service Management | issued by <i>Axelos</i> , <b>2022</b>              |