NATHAN TURCZAN

Product Designer | Music Technologist | Composer

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EXPERIENCE

Founder & Product Designer
Scale Navigator, LLC

📅 June 2021 – Present 📍 Los Angeles, CA

- Designed and shipped a suite of music software products: web apps, mobile apps (iOS/Android), desktop apps (Mac/Windows), and DAW plugins (VST3/AU/AAX)
- Full-stack development: React, TypeScript, Tone.js, Web Audio API, Firebase, JUCE/C++
- Solely responsible for product vision, UI/UX design, user research, marketing, and release management at Scale Navigator LLC

Freelance Composer & Sound Designer

📅 2018 – Present 📍 Los Angeles, CA

- Original music and sound design for interactive art, immersive installations, film, podcasts, and live performance
- Generative and algorithmic composition, procedural audio systems, live electronics

Product Manager
FutureCare Solutions Group / Global Wave Integration

📅 June 2022 – October 2025 📍 Remote

- Managed product development for senior care monitoring platform and smart home integrations
- Led cross-functional coordination between engineering, design, and operations teams
- Conducted market research, user interviews, and competitive analysis to refine product strategy
- Established internal processes, project management systems, and quality control workflows

Associate Product Manager
SPG Studios (Remoto ADR Software)

📅 September 2020 – April 2021 📍 Remote

- Agile workflow with overseas development teams: daily stand-ups, sprint planning, backlog management, & retrospectives
- Researched & gathered feedback, iterating with designers to create UI for voice actors, directors, & sound engineers
- Wrote product requirements, user stories, & acceptance criteria

EDUCATION

Master of Fine Arts in Music Technology: Interaction, Intelligence & Design
California Institute of the Arts

📅 September 2017 – June 2019

Bachelor of Arts in Music: Voice
University of California, Santa Cruz

📅 September 2009 – June 2013

ACHIEVEMENTS

- Published a paper on the Scale Navigator in the **New Interfaces for Musical Expression** 2019 proceedings & presented at the NIME conference
- Music design & generative music system for **SOULS**, an interactive art collaboration between Sia + David OReilly featured in *Forbes*, *Designboom*, & exhibited at Art Basel Miami.
- Composed score for **Solve Podcast** Season 2 (iHeartRadio).
- Sound design, production, & live electronics for **The Moon Has Made Us Brothers**, a dance-opera by Fahad Siadat.
- Taught Media & Web Development at CalArts (2021)
- Studied algorithmic composition with David Cope (WACM) at UC Santa Cruz

SHIPPED PRODUCTS

Scale Navigator Dashboard

- Flagship harmonic browser built on music theory research (Tymoczko scale networks, Boyd chord-ranking)
- Shipped as web app, iOS app, Android app, desktop app (Mac/Windows), & DAW plugin (VST3/AU/AAX)
- Full parameter automation for DAW integration

PitchSnap

- MIDI effect plugin (VST3/AU) for exploring melodic ideas across modes & scales in real-time
- Snaps notes to scale or chord automatically—never play a wrong note in live performance

(((Notes)Chords)Scales)))

- Real-time harmonic inference from any audio source via polyphonic pitch detection
- Visualize & play note → chord → scale relationships

Ensemble Jammer

- Networked ensemble instruments (mobile & web) synchronized via Firebase
- Host sets harmonic context in Dashboard, all connected players follow in real-time

SKILLS

Product Management (Agile, Product Roadmap, Backlog Management, Stakeholder Engagement), UX/UI Design, Web Dev (HTML, CSS, JS, Node, React, Firebase), Python, Audio Plugin Dev (JUCE, C++), Project Management, Human-Computer Interaction, Git, Google Analytics, Teaching, Q-Sys, Music Composition, Sound Design, Audio Production, SuperCollider, Max/MSP, Tone.js / Web Audio API, Web MIDI API