

# EVAN SITT

## Junior Backend Developer

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linkedin.com/in/evan-sitt/    github.com/ParadoxChains

## EXPERIENCE

### Junior Developer

#### Farm Fare

April 2020 – Ongoing    Cleveland, Ohio

- Review and verify production code written in the Haskell functional programming language before approving pull requests.
- Build the backend server for handling requests via RESTful API using the Yesod framework written in the Haskell functional programming language.
- Deploy and maintain back end server on Google Cloud through use of Kubernetes Engine, Cloud Build, and Stackdriver.
- Ensure Farm Fare’s high standard of production code and ease of maintenance via setting up Continuous Integration and Continuous Deployment on code repository.
- Configuration of the Odoo business management framework to best fit Farm Fare’s objectives and provide detailed end-user documentation.

### Instructor (Functional Programming)

#### Eötvös Loránd University

September 2019 – June 2020    Budapest, Hungary

- Introduce incoming first year students to the functional programming paradigm, from good coding habits to basic algorithms, by using a practical coding methodology.
- Organize and manage curriculum and consultations to promote better student progression and performance.
- Recruited and organized a team of 12 undergraduate students in furthering their pursuit of functional programming with the development of a digital signal processing framework.

### Student Developer

#### Ericsson Hungary

March 2019 – December 2019    Budapest, Hungary

- Have proper knowledge and skill in coding with Erlang for telecommunication applications.
- Write functional tests for new functionality developed by the team.
- Address customer raised Trouble Reports and Issues in a timely manner via debugging and testing.
- Extend and refactor legacy code for better performance, efficiency, and maintainability.

### Freelance Music Composer and Producer

#### Freelance Sole Proprietorship

August 2008 – Ongoing    USA

- Created original soundtracks for five Steam releases and three mobile games.
- Compose and produce music tracks for client projects and commissions.
- Manage client communications and business arrangements.
- Develop streaming channel and coordinate work with other freelancers.
- Handle marketing strategy and social media presences.

## MY LIFE PHILOSOPHY

“Proactive Versatility.”

## STRENGTHS

- Good Leader, Better Follower
- Diverse Skillset
- Passionate
- Meticulous
- Resourceful
- Kind and Compassionate
- Socially Responsible

## SKILLS

- C++
- JAVA
- Git
- Linux
- Haskell
- Yesod
- Kubernetes
- Docker
- Google Cloud
- Continuous Integration
- Continuous Deployment
- Erlang
- RESTful API & Architecture
- JUCE
- Javascript
- LaTEX
- Python
- SQL
- HTML/CSS
- Odoo/OpenERP
- Adobe Photoshop
- Adobe After Effects
- FL Studio

## LANGUAGES

- English
- Cantonese Chinese
- Spanish
- Magyar

## EDUCATION

B.Sc. in Computer Science

Eötvös Loránd University

Graduated: January 2021

Thesis title: Digital Signal Processing Plugin for Multilayered Synthesis

## CITIZENSHIP

United States of America

Natural Born Citizen

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## PROJECTS

### Digital Signal Processing Plugin for Multilayered Synthesis

Eötvös Loránd University

2019-2020 Academic Year

This project will implement a DSP plugin, using the Virtual Studio Technology 3 (VST3) interface standard. The project will handle MIDI input and generate a polyphonic multilayered synthesizer waveform via the use of wavetables, combining both additive and subtractive synthesis. The implementation of the project will be accomplished with the use of the JUCE framework. The application will be hosted by any VST3 compatible DAW, or used as a standalone synthesizer application.

### Implementation of Digital Synthesis in Functional Programming

Eötvös Loránd University

2019-2020 Academic Year

Digital synthesis is a cross discipline application used in fields such as music, telecommunication, and others. The nature of digital synthesis involving multiple tracks as well as parallel post-processes lends itself naturally to the functional programming paradigm. The paper demonstrates this by creating a fully functional, cross platform, standalone synthesizer application framework implemented in a pure lazy functional language. The application handles MIDI input and produces wav output played by any multimedia player. Therefore, it can serve as a preprocessor for users who intend to create digital signals before transcribing them into a digital or physical media.

### How to Increase Interest in Studying Functional Programming via Interdisciplinary Application

Eötvös Loránd University

2018-2019 Academic Year

Functional programming represents a modern tool for applying and implementing software. The state of the art in functional programming reports an increasing number of methodologies in this paradigm. However, extensive interdisciplinary applications are missing. Our goal is to increase student interest in pursuing further studies in functional programming with the use of an application: the ray tracer. We conducted a teaching experience, with positive results and student feedback, described here in this paper.

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