EVAN SITT

Computer Science Student

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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.

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.

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.

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

Sept 2017 – June 2020

Thesis title: Digital Signal Processing Plugin for Multilayered Synthesis

Associates Degree in Science

Harold Washington College

Sept 2001 – June 2002