EVAN SITT

Computer Science Student

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EXPERIENCE

Instructor (Functional Programming)

Eötvös Loránd University

September 2019 – Ongoing Budapest, Hungary

- Introduce incoming first year students to the functional programming paradigm, from good coding habits to basic algorithms, by using 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 development of an 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.

PROJECTS

Music Generation and Sound Processing in a Functional Programming Paradigm

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 postprocesses 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.

Increased Interest in Studying Functional Programming via Integrated 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

SKILLS

C++ | JAVA | Erlang | JUCE | Concurrent Clean | LaTEX | Python | SQL | HTML/CSS | 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

CITIZENSHIP

United States of America

Natural Born Citizen