# **Arthur Giesel Vedana**

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### Education \_\_\_\_

#### UFRGS - Universidade Federal do Rio Grande do Sul

B.S. IN COMPUTER SCIENCE

1<sup>st</sup> place in entrance exams.

Porto Alegre, Brasil

Jan. 2014 - PRESENT

## Areas of Interest

Language Design Type Systems

**Formal Semantics** 

**Functional Programming Languages** 

## Skills

Portuguese native

**English** fluent

**Swift** iOS, tvOS, watchOS Java JavaFX, Swing, AWT

C# WPF

Python scripts, machine learning Others F#, ET<sub>F</sub>X, Haskell, C++/C, SQL

# Published Works

#### **PAPERS**

#### V: a language with extensible record accessors and a trait-based type system

WEIT Annals, page 294-301

WORKSHOP-SCHOOL OF THEORETICAL COMPUTER SCIENCE (WEIT)

MULTI-USER IOS AND TVOS APP TO CREATE BUSINESS MODEL CANVASES.

EDUCATIONAL APP TO TEACH BASIC AND COMPOUND INTEREST.

2017

# **IOS Apps**

Breather Ap	pp Store
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AN IOS/WATCHOS APP WITH JOURNALING AND A BREATHING EXERCISE TO HELP WITH ANXIETY OR PANIC ATTACKS.

2018

**Business Canvas TV** App Store

2017

Rhythm'Em Up App Store

2017

A BEAT'EM UP RHYTHM GAME IN THE STYLE OF 80'S ZOMBIES.

App Store

A game where you play Brazil's unpopular president, Temer, trying to escape from riots.

2017

**EduFin** App Store

2017

#### **OPEN SOURCE PROJECTS**

**V** Language

V PROGRAMMING LANGUAGE - DEFINITION AND INTERPRETER. 2016 **Galaxy Simulator** GitHub

BH Tree-based N-body simulator in Java with a space theme. 2016

**Clique and Independent Set Calculator** 

VISUAL APPLICATION FOR FINDING CLIQUES AND INDEPENDENT SETS IN ARBITRATY GRAPHS 2014

GitHub

Experience \_\_\_\_

**Apple Developer Academy PUCRS** Porto Alegre, Brasil

IOS DEVELOPMENT Jan. 2017 - Present

RNP's Grupo de Trabalho Multipresença Porto Alegre, Brasil

FRONT-END, BACK-END AND CLIENT-SIDE DEVELOPER Sept. - Oct. 2016

• Web development in Rails and Node.js.

• Client-side development in C++ and Qt.

Software Educacional Livre para Dispositivos Móveis Porto Alegre, Brasil Undergradate Research Aug. 2016

• Translation of open-source software from English to Portuguese.

**Honors & Awards** 

Winner, Apple's WWDC Scholarship San Jose, USA 2<sup>nd</sup> Place, WEIT Conference Best Articles Santa Maria, Brasil

2017 **2<sup>nd</sup> Place**, Regional Branch of Programming Contest S. Leopoldo, Brasil