Arthur Giesel Vedana

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Education

UFRGS - Universidade Federal do Rio Grande do Sul   *Porto Alegre, Brasil*

B.S. IN COMPUTER SCIENCE   *Jan. 2014 - PRESENT*

- 1st place in entrance exams.

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#, LaTeX, 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)   *2017*

iOS APPS

Breather   *App Store*

AN iOS/watchOS APP WITH JOURNALING AND A BREATHING EXERCISE TO HELP WITH ANXIETY OR PANIC ATTACKS.   *2018*

Business Canvas TV   *App Store*

MULTI-USER iOS AND tvOS APP TO CREATE BUSINESS MODEL CANVASES.   *2017*

Rhythm'Em Up   *App Store*

A BEAT'EM UP RHYTHM GAME IN THE STYLE OF 80'S ZOMBIES.   *2017*

Fora Memer   *App Store*

A GAME WHERE YOU PLAY BRAZIL'S UNPOPULAR PRESIDENT, TEMER, TRYING TO ESCAPE FROM RIOTS.   *2017*

EduFin   *App Store*

EDUCATIONAL APP TO TEACH BASIC AND COMPOUND INTEREST.   *2017*

OPEN SOURCE PROJECTS

V Language   *GitHub*

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   *GitHub*

Visual application for finding Cliques and Independent Sets in arbitraty graphs   *2014*

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*

Undergraduate Research   *Aug. 2016*
- Translation of open-source software from English to Portuguese.

Honors & Awards

2018   **Winner**, Apple's WWDC Scholarship   *San Jose, USA*

2017   **2ⁿᵈ Place**, WEIT Conference Best Articles   *Santa Maria, Brasil*

2017   **2ⁿᵈ Place**, Regional Branch of Programming Contest *S. Leopoldo, Brasil*