# 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*
- 1$^{st}$ place in entrance exams.

**Hilbert-Bernays Summer School on Logic and Computation**               *Göttingen, Germany*
Georg-August-Universität                                                 *July 2018*

## Skills

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|---|---|
| **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 |

## Experience

**Apple Developer Academy PUCRS**                                        *Porto Alegre, Brasil*
iOS Developer                                                            *Jan. 2017 - Present*
- Development of iOS, tvOS and watchOS apps in Swift/Objective-C.
- Challenge-Based Learning.
- Project management with Scrum and Agile.

**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.

## Works

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 arbitrary graphs          *2014*

## Papers

**V: a language with extensible record accessors and a trait-based type system** *2018*
RITA Vol 25, No 3 - pp. 89-101

- Reduced version published in WEIT 2017 Annals - pp. 294-301.

## 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*

# Honors & Awards

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|---|---|---|
| 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* |

# Interests

**Language Design** Type Systems, Functional Languages
**Baking** Sourdough breads
**Outdoors** Running, Cycling, Trekking/Camping