

Tobias Pristupin

SOFTWARE DEVELOPER

St. Louis, MO

☎ +1 954-371-7815 | ✉ p.tobias@wustl.edu | 🏠 www.pristu.dev

Summary

Hi, I'm Tobias. I am a self taught programmer from Argentina with 6 years of experience. I have experience in mobile development, compiler design, full stack web development, embedded systems, and competitive programming. More information about my projects can be found on my website.

Education

Washington University in St. Louis - Expected Graduation May 2023

St. Louis, MO

COMPUTER SCIENCE + MATHEMATICS MAJOR

Aug. 2020 - Present

- Attending on a full scholarship as an Ervin Scholar. GPA 3.97/4. Relevant coursework: Data Structures and Algorithms (A+), Discrete Mathematics (A+ and now working as a Teacher Assistant), Linear Algebra (A+), Full Stack Web Development CSE 330 (A+).

Cypress Bay High School

Weston, FL

HIGH SCHOOL

Apr. 2017 - Jul. 2020

- GPA: 5.1, standardized test scores in the 99th percentile. Recipient of the AP Scholar with Distinction Award and the National Hispanic Recognition Award. President of the Computer Science Club

Work Experience & Projects

Facebook

Menlo Park, CA

SOFTWARE ENGINEERING INTERN

Jun. 2021 - Aug. 2021

- Incoming SWE Summer intern for Mobile Code Mechanics Team

Lox Programming Language Research Study

Washington University in St. Louis

RESEARCHER & DEVELOPER

2020-21

- Developed an interpreter from scratch in C++ for the Lox Programming language as a personal project.
- Created a bytecode compiler and a stack based virtual machine for Lox, also in C++, as part of an independent research project under the supervision of Professor J. Shidal.
- Analyzed multiple research papers on Garbage Collection and implemented my own garbage collection algorithms for my compiler. Benchmarked the algorithms and wrote a research paper summarizing my findings.

Smart RC Car

GitHub

DEVELOPER - PERSONAL PROJECT

2021

- Retrofitted old RC car with a Raspberry Pi to control acceleration and steering. RPI acts as a web server that can be controlled via wifi through a phone app.

Minimal Running

GitHub

DEVELOPER - PERSONAL PROJECT

2018-19

- Published Android application with 100+ downloads. Allows user to log their running activities and view statistics on their progress. Users can use an account to store their data online.

Volunteering

sErvin

Washington University in St. Louis

CO-PRESIDENT

Jan. 2019 - Present

- Restarted a community service group within John B. Ervin scholars that had been inactive for 5 years.
- Directed community outreach events with UnhousedSTL for a group of 30 scholars

Skills

Experience with

C++, Java, Python, JS, PHP, HTML/CSS, SQL, MongoDB, Node.js, React, Flask, Apache, Linux, Android Dev, Flutter, Arduino, Mathematica, Bilingual (Spanish and English)