

JAN-PAUL VINCENT RAMOS-DÁVILA

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EDUCATION

Cornell University

2021 - Present

λ Bachelor of Arts in Mathematics & Computer Science, Minor in Philosophy

EXPERIENCE

Carnegie Mellon University

05/2022 - Present

λ Research Intern

Advised by Dr. Jonathan Aldrich & Dr. Joshua Sunshine on Gradually Verified C0.

Developed an empirical soundness evaluation tool for the gradual verifier.

Cornell University

10/2021 - Present

λ Undergraduate Researcher

Advised by Dr. Adrian Sampson in the Computer Architecture & Programming Abstractions research group on tools for the Calyx compiler infrastructure. Designed tools for compiling high-level languages to hardware designs.

Google CSSI

07/2021 - 08/2021

λ Software Engineering Student

Studied programming fundamentals for web development in JavaScript directly from Google engineers and got an inside look on Google employee tools used for web development.

Developed a peer-to-peer instant messaging system with a web interface.

PUBLICATIONS

Emperical Soundness of Gradual Verification

[SRC] POPL '23

λ In Submission

HONORS

Attendee, Programming Language Mentoring Workshop Travel Scholarship

2022

λ SIGPLAN Conference on Programming Language Design and Implementation

Finalist, Regeneron International Science and Engineering Fair

2020 & 2021

λ Puerto Rico Regional Mathematics Fair—High School

RELEVANT COURSEWORK

Graduate Level Advanced Programming Languages

Object Oriented Design and Data Structures

Graduate Level Category Theory for Comp Sci

Discrete Structures

Data Structures and Functional Programming

Computer System Organization

TECHNICAL SKILLS

Languages: OCaml, Coq, Python, Java, JavaScript, Haskell, Scala, Rust, C

Tools: Unix, VSCode, Git, IntelliJ IDEA, Docker, Jekyll, PEGjs