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   Pittsburgh, PA
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   Ithaca, NY
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   Virtual
Studied programming fundamentals for web development in JavaScript directly from Google
engineers and got an inside look at 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**   Boston, MA

HONORS

Attendee, Programming Language Mentoring Workshop Travel Scholarship   2022
λ SIGPLAN Conference on Programming Language Design and Implementation   San Diego, CA

Finalist, Regeneron International Science and Engineering Fair   2020 & 2021
λ Puerto Rico Regional Mathematics Fair—High School   Virtual

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