

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 Gradual Verification through the REUSE internship. 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 Languages 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	Data Structures and Functional Programming
Graduate Level Reasoning about Uncertainty	Computer System Organization

TECHNICAL SKILLS

Languages: OCaml, Coq, Python, Java, JavaScript, Haskell, Scala, Rust, C, English, Spanish
Tools: Unix, VSCode, Git, IntelliJ IDEA, Docker, Jekyll, PEGjs