CHARLY RESENDIZ

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EDUCATION

Drexel University   *June 2018*
Bachelor of Science in Computer Science   Cumulative GPA: 3.29

TECHNICAL STRENGTHS

Specialties	Functional Programming Languages and CUDA Architectures (GPU)
Programming Languages	CUDA, C, Python, Haskell, Idris
Systems & Tools	MPICH2, Stack (Haskell)
Operating Systems	Linux (Ubuntu, Fedora)

EXPERIENCE

Drexel University   December 2017 - Present
Research Volunteer

· Updated Haskell effects library for GHC 8.2.2
· Proposed and prototyped additions to Idris effects library

Engility   September 2016 - March 2017
Software Developer Intern

· Prototyped CUDA code for optical depth calculations
· Improved lookup table performance, by 17%, with CUDA code translation, calculating optical depth
· Updated and tested Cloud Transfer software for High Performance Computing (HPC) architectures
· Parsed and translated an existing internal file format to JSON

PJM Interconnection LLC   September 2015 - March 2016
Java Developer Intern

· Updated web forms, developed with the Spring framework
· Improved security of new additions in PJM's archive websites (sessions and roles)

PROJECT

Hindley-Milner Interpreter

· Implemented type system for simply typed lambda calculus (STLC)
· Introduced type inference and let binding to STLC (STLC to Hindley Milner)

INVOLVEMENT

Drexel IEEE   September 2013 - September 2015
Competition Chair   *Drexel University*

· Co-developed and coordinated registration for IEEE members and participants at university hackathon (DragonHacks)