

CHARLY RESENDIZ

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EDUCATION

Drexel University

Bachelor of Science in Computer Science

September 2013 - June 2018

Cumulative GPA: 3.29

TECHNICAL STRENGTHS

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

EXPERIENCE

Engility

Software Developer Intern

September 2016 - March 2017

- Prototyped CUDA code for optical depth calculations.
- Improved lookup table (LUT) performance with CUDA code, which calculate the Voigt profile.
- Debugged supercomputers source code for atmospheric simulations, such as Gaea, and Theia.
- Tested Cloud Transfer system for High Performance Computing (HPC) architectures at the Geophysical Fluid Dynamics Laboratory.
- Parsed and translated an internal file format to JavaScript Object Notation (JSON) files.

PJM Interconnection LLC

Java Developer Intern

September 2015 - March 2016

- Debugged and updated web forms on internal credit web application
- Improved user data features for PJM's internal credit application.

PROJECT(S)

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

Competition Chair

September 2013 - September 2015

Drexel University

- Organized events for IEEE members at Drexel University.
- Participated in the Students Activities Conference (SAC).

Drexel Linux User Group

Treasurer

September 2015 - September 2016

Drexel University

- Budgeted finances for the LUG.