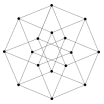

Samuel Thomas

Resumé

Education

2016–Present **B.S**, *Cornell University*, Ithaca.
Major: Computer Science

2012–2016 **High School Diploma**, *John Marshall HS*, Los Angeles.
Graduated with High Honors

Experience

2019 Summer – Present **Capra**, *Cornell*.
-
- Third author on a paper with Rachit Nigam and Adrian Sampson that describes a novel use of affine type system for modeling hardware resources to make high level synthesis more predictable.
- Develop a prototype interpreter for FuTIL, a novel intermediate language that separates the structure of a computation from the control to make high level synthesis easier. `https://github.com/cucapra/futil`

2018 – Present **Teaching Assistant**, *Cornell*.
Taught a discussion section for Cornell's CS 3110, a class on functional programming in OCaml.

2018 Summer **Information Science Institute**, *USC*.
- Worked with Greg Ver Steeg on meta machine learning problems.
- Used the Penn ML Benchmark to gather large amounts of data on the performance of different machine learning algorithms. `https://github.com/sgpthomas/sklearn-pmlb-benchmarks`.

2017 Summer **Network Systems Laboratory**, *USC*.
Worked with Wyatt Loyd on DSEF, the Distributed Systems Experimental Framework, a framework for improving the reproducability of Distributed Systems experiments.
`https://github.com/DSEF`.

2013–2016 **LAPTAG Plasma Physics Lab**, *UCLA*.
A Laboratory where High School students work with UCLA professors on plasma physics research. `http://plasmalab.pbworks.com/`.

Jan 2017– Present **Cornell Hacking Club**, *Cornell University*, Ithaca.
Participate in CTFs, hold hacking workshops, and work on club projects.

Computer skills

Programming Languages OCaml, Scala, Racket, Rosette, Coq, Python, Java, Vala, C++, C, Assembly, ELisp, Rust, Javascript, HTML, CSS, SQL

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