Samuel Mercier

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Citizenship: Ireland, United States (Dual Citizen) Github: https://github.com/samontea

Education

Purdue University (College of Scient	ace, Honors College) al Honors. Minors: Computer Science, Philosophy.	May 2020
Bachelors Thesis: An Introduction to		
Awards & Honors:	Tromotopy Commits	
	a the best algebra student in the Dent of Mathematics) Spring 2020
o E. V. Schenkman Award (Awarded to the best algebra student in the Dept. of Mathematics o Outstanding Senior in Mathematics (Awarded to one senior in the Dept. of Mathematics)		Spring 2020 Spring 2019
o Purdue Presidential Scholarship 2015–2020 o Purdue Marquis Scholarship		2015–2020
·	·	
o Dean's List	2015–2020 o Senior Achievement Award (Math D	. ,
o T. Arai Scholarship	Spring 2019 o M. Daniels Early Graduate Scholars	ship <i>Fall 2015</i>
Experience		
Work Experience – Software Eng	gineering	
Software Engineer 2 MongoDB (New	v York) – Query Team	Aug. 2020-Present
Software Engineer Intern NASA JPL	. (Pasadena, CA) – Modeling & Verification	May 2020—July 2020
	and Simulation Software" in Java in support of JPL en	gineering missions
(e.g. Europa Clipper).	5	
_ ,	, , ,	ot. 2019–Nov. 2019
	erwriting microservice. Made loan decision tasks asynch	ronous. Expanded
	Technologies: Python, SQL, & Docker. (New York) – Query Team May 2018–Aug. 2018 & M	lav 2019–Δμσ 2010
_	an index all fields of all documents in a given collection.	_
	ce tests. Recovered technical debt by rearchitecting pro	
Technologies: C++, Python (for testing		,
Software Engineer Intern MongoDB	(New York) – Monitoring Team M	lay 2017–Aug. 2017
Researched and implemented time ser	ies analysis techniques for anomaly detection for their	"DaaS" platform
	alerts. Technologies: Java & MongoDB.	
·	,	an. 2017–May 2017
	oftware used throughout NASA. Added routing. Isolated	
Software Engineer Intern (Fullstack	, · · · - · · · · · · · · · · · · · · ·	ne 2016–Aug. 2016
Led development on a client onboardin		
Undergraduate Teaching Assistant	Purdue University	2015-2020
	work, exams, etc.) and taught the following courses:	
o CS 240 (Programming in C)	Spring 2020 o CS 252 (Systems Programming)	Spring 2019
` •	s II) Spring 2019 o CS 252 (Systems Programming)	Fall 2018
, -	us I) Fall 2018 o CS 252 (Systems Programming)	Spring 2018
o CS 240 (Programming in C)	Fall 2016 o CS 240 (Programming in C)	Spring 2015
Computer Science Help Room Tuto	or Purdue University Sep	ot. 2015–Dec. 2015
Ran a help room for CS 180 (Object C	Oriented Programming) & CS 240 (Programming in C).	
BoilerMake Hackathon Executive B	Board (Dev & User Experience Team) Ja	an. 2016–Oct. 2018
Purdue FIRST Programs (IT Team)	Au	ıg. 2015–Dec. 2016
IT Director	M	lay 2016–Dec. 2016
Lead IT work for organization that help	ps support local robotics teams in high schools and mid	ldle schools.