

## Elias Julian Marko Garcia

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### About Me

First generation American born and raised in KC, MO that fell into programming. My interests, broadly, are social science and “applied” computation, with emphasis on modeling complex systems, decentralized technologies, and functional programming. Ultimately, I want to work on things that make a tangible difference for the average person and/or that meaningfully contribute to human society’s aggregate technological knowledge base. My spare time is typically taken up by reading Baudrillard, bouldering, messing with my arch install, and tilting my head at windmills. My favorite hip-hop group is the wu tang clan, and they *will be respected*.

<b>Education</b>	<b>University of Missouri-Kansas City</b> , Kansas City, MO <i>Bachelor of Science</i> , Computer Science, May 2020	GPA: 3.50
<b>Skill Set</b>	<p><b>General:</b> Eight plus years experience as a writer and presenter for both lay and professional, small and large audiences. Ask me about it!</p> <p><b>Programming:</b> Four plus years of experience in programming, including:</p> <ul style="list-style-type: none"> <li>• languages: Python, Java, Lisp, Rust, and Haskell</li> <li>• operating systems: Linux (Debian derivatives and Arch), macOS, and Windows</li> <li>• applications: Flask, SQL, Chef, Kitchen, Vagrant, Emacs, Git, and Postman</li> </ul> <p><b>Social science:</b> Five plus years experience with economic policy, especially political economy and financial economics. Extensive research experience.</p>	
<b>Projects</b>	<p><b>Open Tabularius:</b> Hack-a-Roo (spring '18) project turned solution for the Hogan charter school system for automating the tracking and analyzing of student data. <b>Finalist submission.</b></p> <p><b>Don't Mix It!:</b> Cerner intern Ship-It (summer '18) project to reduce adverse drug reactions (ADR), particularly for the old and young, via a simple android app. Group project. <b>Second place submission.</b></p> <p><b>#Hashtag-Health:</b> Cerner intern Ship-It (summer '17) project that visualized real time and historical tweets pertaining to health coded phrases, keywords, and hashtags. Group project. <b>Third place submission.</b></p> <p><b>Hugo.rs:</b> A rusty implementation of Hugo, the Golang based static site generator. My first major personal project with rust as a systems language. W.I.P.</p> <p><b>Loxy:</b> A python implementation of Bob Nystrom's Lox language and interpreter. I want to learn more about PL's and I'm working through implementation details to better understand them. W.I.P.</p> <p><b>ageof.info:</b> Personal blog started sophomore year in high school on WordPress, now migrated to a personal server and domain. This is a glorified archive of my thoughts through the years on tech, econ, and philosophy.</p>	
<b>Experience</b>	<b>Software Engineer Intern</b> summer '16, summer '17, summer '18	Cerner Corp. Kansas City, MO I worked on both Millennium and PopHealth, Cerner's two major software platforms. For Millennium, I improved automatic localization. For PopHealth, I improved the automation of pipeline deployment and expanded infrastructure testing capabilities.
	<b>Vice President</b> fall '18	Truman State ACM Kirksville, MO Helped re-launch Truman's ACM chapter and regain our status with the national ACM program. I focused on engaging and increasing freshman and sophomore turnout by holding workshops on git, python, and holding sign-ups for for nearby hackathons.
	<b>Writing Consultant</b> fall '16 — fall '18	Truman State Writing Center Kirksville, MO Helped edit and review papers of undergraduate and graduate students for classes and publication. Additionally, I was a writing fellow for Professor Gillette's ECON210 class, where I helped students learn how to write professional research papers in the field of economics.

**Undergraduate Researcher**

summer '16

Truman State McNair Program

Kirksville, MO

Participated in the McNair post-baccalaureate summer research interim, focusing on financial markets and financial crisis of '07. My research resulted in a paper and presentation on the complexity of financial regulation and its interaction with Knightian uncertainty.

**Research Fellow**

summer '15

Independent Institute

Oakland, CA

Assisted the institute in its re-branding, including website design, and restructuring their academic archives. Furthermore, I researched for full time fellows and assisted in the editing process for peer reviewed materials.