

Elias Julian Marko Garcia

<https://ageof.info>
elias.jm.garcia@pressmail.ch

Old Westport
Kansas City, MO 64111

About Me

First generation American born and raised in KC, MO that fell into programming. My interests include social science, systems programming, programming language theory, and decentralization. My spare time is currently taken up by experimenting with Rust, reading Baudrillard, and tilting my head at windmills. My favorite hip-hip group is the Wu Tang clan, and they *will be respected*.

Education	University of Missouri-Kansas City <i>Bachelor of Science, Computer Science</i>	May 2020
Skill Set	<p>Programming: Six years of programming, including:</p> <ul style="list-style-type: none"> languages: Python, Rust, Lisp, Haskell, SQL, \LaTeX, C++, Java, and JS/HTML/CSS. frameworks: React, Flask, and Rocket. operating systems: Linux (Debian derivatives and Arch) and macOS. applications: Nginx, Chef, Vagrant, Emacs, Git, IntelliJ, Postman, AWS S3, GitLab CI/CD, and Docker. <p>Social science: Five plus years experience with economic policy, especially political economy and financial economics. Extensive research experience.</p>	
Projects	<p>HL7 2.x Parser: Implemented from standard a commercial HL7 2.x message parser using Rust and the parser-combinator Nom library.</p> <p>Clear My Record Kansas City: Collaboration between UMKC's Law School, Code For Kansas City, and municipal government to start a free criminal record expungement clinic with open source software. Developed the back-end prototype using Flask and SQL.</p> <p>Open Tabularius: Hack-a-Roo (spring '18) project for the Hogan charter school system for automating the intake and analyzing of student data. Finalist submission.</p> <p>Don't Mix It!: Cerner intern Ship-It (summer '18) project to reduce adverse drug reactions (ADR) with an android app. Group project. Second place submission.</p> <p>#Hashtag-Health: Cerner intern Ship-It (summer '17) project that visualized real time tweets pertaining to health coded phrases, keywords, and hashtags. Group project. Third place submission.</p> <p>Tomaty: A python implementation of the Pomodoro Technique using GTK.</p> <p>Twitter Bots: Implemented multiple bots using Python. Between all of them, I used the Dark Sky Weather API, Stanford's NLTK for text processing, Python's Pillow imaging library, PyPDF for PDF parsing, and lots of e-lisp regex'ing.</p> <p>ageof.info: Third re-implementation of my personal blog, now using the Rust-based static site generator Zola, my own theme port, AWS S3 for static hosting, and GitLab CI/CD for automation of deployment.</p>	
Experience	<p>Rust Belt Rust Workshop Presenter October 2019 Taught a full day workshop on implementing a lisp programming language, Ferrisp, using Rust.</p> <p>Software Engineer summers of '16, '17, '18, '19 I worked on Millennium, PopHealth, and Cerner Interop. For Millennium, I improved automatic localization. For PopHealth, I improved the automation of pipeline deployment and expanded infrastructure testing capabilities. While on Interop, I worked on a new solution for payer verification of healthcare claims by implementing an HL7 2.x parser with Rust as a CPython extension.</p>	<p>Rust Belt Rust Conference Dayton, Ohio</p> <p>Cerner Corp. Kansas City, MO</p>

Vice President Truman State ACM
 fall '18 Kirksville, MO
 Helped re-launch Truman's ACM chapter and regain our status with the national ACM program.

Writing Consultant Truman State Writing Center
 fall '16 — fall '18 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.

Undergraduate Researcher Truman State McNair Program
 summer '16 Kirksville, MO
 Participated in the McNair post-baccalaureate summer research interim, focusing on financial markets and financial crisis of '07.

Research Fellow Independent Institute
 summer '15 Oakland, CA
 Assisted the institute in its re-branding, assisted in researched for full time fellows, and edited peer reviewed materials.

Awards and Honors

PLMW Scholar 2018
ACM SIGPLAN

Strange Loop Scholarship 2017, 2018, 2019
Project Alloy

Oscar and Susie Newton Memorial Scholarship 2019 — 2020
University of Kansas City-Missouri

DST Systems Computer Science Scholarship 2018 — 2019
University of Kansas City-Missouri

McNair Scholar 2015 — 2017
Truman State University

President's Honorary Scholarship 2014 — 2017
Truman State University

MO Scholar 2014
Missouri Scholars Academy