Christopher Ariagno

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Education:

University of Kansas | Computer Science (Spring 2022):

Activities:

- **SELF Fellow** | 2022 Fellow
  - In the SELF Program, students will refine their leadership, managerial, business, and interpersonal relationship skills to aid them in the engineering world
- **Association for Computing Machinery** | General Member
  - We bring in speakers to talk about computing in the industry and ways that we can affect our field that we are studying
- **Programming Club** | General Member
  - In Programming Club, we have presentations done by fellow students to talk about various concepts of programming
- **Jayhawk Motorsports** | Powertrain and wiring
  - Our school's SAE formula team, builds yearly formula race car to race against teams across the world.

Relevant Coursework:

- Programming 1, Programming 2, Digital Logic, Calculus 1, Calculus 2, Calculus 3

Smithville High School (Spring 2018):

- **FIRST Robotics** | 4 Years | Web Design – 2 Years, Driver – 2 Years, Head Programmer – 2 Years
  - Participated in both First Robotics Competition and First Tech Challenge, given a challenge at the beginning of the year and required to build a competition ready robot in 6 weeks
- **Technology Student Association** | 4 Years | Reporter – 2 Years
  - An association to promote STEM throughout our school district

Work Experience:

- **Smithville School District** | May 2017 – Present | IT Intern
  - Successful deployment of over 900 Chromebooks for our school's 1:1 program
- **ariagno.com** | August 2015 – Present | Web Design Firm
  - Specialized in HTML, CSS, and JavaScript along with technologies like TamperMonkey for scripting

Skills:

- Java, C++, HTML, CSS, JavaScript, Git, Linux, OpenCV, and Google Apps for Teachers and Students

Volunteer Work:

- **"Tech Squad" |** January 2012 – August 2012 | 50 Hours
  - An organization that provided slideshows to help seniors understand technology in better ways.
- **Mentoring First Robotics Competition Teams |** 2016 – 2018 Present Day | 75 Hours

Independent Projects:

- **LiftTracker** and **BoilerTracker** |Open source vision library for FIRST Robotics
  - Built using Java and OpenCV.
  - Deployed to Jetson TK1 Embedded System.
- **TF2Skins** | Most used website for price checking weapons in a game
  - Built originally with PHP and mySQL, later ported to node.js before shutting down
- **[adult swim] FishCenter Site** | Memorial website featured on [adult swim] (Turner Broadcasting) TV show
  - Built with HTML and JavaScript and deployed to DigitalOcean VPS
- **2018 FRC Robotics Code Base |** Code base used for our 2018 Robot
  - Adaptive Pure Pursuit Controller and Trapezoidal Motion Profiling Controller to plan auto paths.
  - Web interface with knockout.js to communicate and perform diagnostics on code

Awards and Honors:

- 4x FRC Oklahoma Regional Winner, 7x FRC Innovation in Control Winner, 3x FRC World Tournament Semi Finalist, 2x FRC Missouri State Champion, 2018 SELF Fellow Scholarship