Cole Harris

B.S. Computer Science Student

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https://cole-t-harris.github.io/Personal-Website/

Exposure to engineering projects ranging from less than $100k to greater than $3 million. Translatable skills from engineering include developing and communicating complex systems to clients, managing personal time on multiple projects to stay in budget, and effectively working in multidisciplinary teams.

EDUCATION

Colorado State University, Fort Collins, CO   May 2022 – Expected Graduation: December 2023
Bachelor of Science — Computer Science   Major GPA: 3.94 / 4.0

Colorado State University, Fort Collins, CO   Graduated: May 2020
Bachelor of Science — Chemical and Biological Engineering   GPA: 3.67 / 4.0
- Dean's List Recipient: Spring 2017, Fall 2019, Spring 2020

SKILLS & OTHER

Tools and Frameworks (Proficiency): Python (40%), Java (40%), HTML5 (30%), C++ (20%), CSS3 (15%), Javascript (15%), Node.js/express.js (10%)

WORK EXPERIENCE

Process Controls Engineer   October 2020 – May 2022
Huffman Engineering Inc., Englewood, CO
- Designed ~50% of the process controls software for a new ~$200 million animal vaccine production facility ($3+ million process controls project budget). This involved the following:
    - Involved designing the code for 14 Programmable Logic Controllers (PLC) to adhere to the ISA-88 standard.
    - Contributed towards 20+ Human Machine Interface (HMI) screen designs and Supervisory Control and Data Acquisition (SCADA) design employing Thin Clients to adhere to HMI high performance graphics standards.
    - Understanding of the processes, networking/servers, and audit trail.
- Developed Rockwell Programmable Logic Controller's (PLC) programs for new and existing Pharmaceutical/life sciences systems to modernize client's processes.
- Improved networking quality and modernized two pharmaceutical packaging line's equipment by upgrading and configuring PLC's, HMI's, Industrial Ethernet Switches, and networking equipment.
- Received client feedback of having excellent technical writing and communication skills on complex topics.
- Earned the Inductive Automation SCDA Software Ignition Version 8.1 Core Certification.

Undergraduate Research Assistant   April 2018 – May 2020
Colorado State University, Fort Collins, CO
- Applied Python and other software to model the pharmacokinetics and pharmacodynamics for drugs and foreign species within the body and was supervised by Dr. Brad Reisfeld.