

Bryce Schuebert

Mechanical Engineer

Meticulous cross-functional engineer pursuing master's degree in mechanical engineering. Highly dependable with strong fabrication and testing skills, and verifiable full-stack expertise using Python, JavaScript, C, SQL, Flask, and React.

Contact

Website

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Education

Master of Science:

Mechanical Engineering

University of Georgia - Athens,
GA | 2020.08 – Current

Bachelor of Science:

Mechanical Engineering

University of Georgia - Athens,
GA | 2015.08 – 2020.05

Software

NX CAD, Inventor, Fusion 360,
and AutoCAD

Python, C, SQLite3, JavaScript,
React, and MATLAB

Adobe Suite (Ai, Xd, Sp),
Keyshot, and Procreate

Certifications

Harvard's CS50x

Learn React (Codecademy)

Haas Basic Mill Operator

Right to Know

Stop the Bleed

Relevant Experience

Graduate Research Assistant

University of Georgia MODEL Lab, Athens, GA | 2020.08 - Current

- Researched impact of random event disruption on supply chain networks using agent-based modeling and network theory
- Assisted P.I. with a multi-million, USDA-funded pecan project developing process optimizations for cracking and shelling
- Maintained and directed the use of lab-owned 3D printers for prototyping and material testing
- Independently formulated Master's degree schedule that is conducive to research interests in supply chain design

Fabrication Lab Student Team Leader

University of Georgia, Athens, GA | 2017.08 – 2020.08

- Operated autonomously to design and construct College of Engineering's student fabrication lab and installed new machinery (CNC mills, water jet, PCB mill, etc.)
- Created and taught safety training course for the lab space and machinery to over 800 incoming students
- Hired and managed 6 student workers to maintain an organized, operational, and safe lab
- Designed an equipment check-out system with item tracking
- Collaborated with professors to facilitate meaningful classroom and senior design projects

Mechanic Assistant

Coker Equipment, Gainesville, GA | 2014.08 – 2017.01

- Worked jointly with primary mechanic to locate, fix, and replace machinery ranging from small engines to heavy equipment rentals
- Conducted routine oil changes, tire rotations, fluid replacements, and bulb changes
- Rearranged inventory for optimal product placement and delivered heavy equipment rentals

Logistics Intern

Caterpillar, Athens, GA | 2015.08 – 2015.12

- Collaborated with engineering team to identify, analyze, and correct errors being made between mini-hydraulic excavator mainline and Integrated Logistics Services with emphasis on kitting
- Performed stakeholder analysis with mainline assembly to find suitable solutions for receiving kits and hot parts - decreasing average mainline wait time by 20%