

CHRISTOPHER CATTRON, EIT

📍 ROLLA, MISSOURI, 65401

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✉ CHRISTOPHERCATTRON@GMAIL.COM

◦ SKILLS ◦

Collaboration
Technical Communication
Structural Calculations
Creative Problem Solving
Finite Element Analysis

◦ ANALYSIS/DESIGN ◦

Steel
Reinforced Concrete
Cold-Formed Steel
Wood / Timber
Reinforced Masonry
Aluminum
Wind
Foundations
Low-Rise Buildings
Seismic

◦ SOFTWARE ◦

Collaboration
Microsoft Office
RISA-3D
MathCAD
AutoCAD
STAAD

◦ LINKS ◦

- [Personal Website](#)
- [Resume Gaps](#)
- [LinkedIn](#)

🎓 EDUCATION

Master of Science in Civil Engineering (Structural Emphasis) – GPA: 3.9

Missouri University of Science and Technology – Rolla, MO

August 2018 – December 2019

- Chi Epsilon National Honor Society – Member

Bachelor of Science in Civil Engineering – GPA: 3.3

Missouri University of Science and Technology – Rolla, MO

August 2014 – May 2018

👥 INTERNSHIPS

Engineer Intern – Larson Engineering, Inc., St. Louis, MO

May 2019 – August 2019

- Prepared structural design calculations and drawings for prefabricated steel and aluminum buildings including guard booths, enclosures, and more.
- Designed using the latest codes and standards (e.g., IBC, ASCE, AISC, etc.).
- Utilized RISA-3D to model structural systems and analyze static loads.
- Created and revised MathCAD calculation templates for use in the design of aluminum facade structural members and curtain-wall systems per the latest codes and standards.

Structural Engineer Intern – Great Rivers Greenway, St. Louis, MO

May 2017 – July 2017

- Performed field visits to pedestrian bridges and structural assets to gather data, record observations, collect measurements, and take photographs.
- Collected and uploaded relevant plans, drawings, and other documents to GIS asset inventory.
- Modified bridge layer in GIS to better organize available data; drafted a user guide for GIS layer.
- Presented summary of findings in an oral presentation and detailed findings in a written report.

Project Engineer Intern – Concrete Strategies, Inc., St. Louis, MO

May 2015 – July 2015

- Oversaw site work for a project that included the removal and replacement of concrete roads, sidewalks, and upgrades to handicap-accessible ramps.
- Detailed project objectives and timeline, with assistance of PM, and tracked progress.
- Tracked the amount of removal, grading, and pouring that occurred daily, including the tonnage of rock and yards of concrete.
- Interacted with the public, city inspector, and sub-contractors courteously and professionally.

🏢 EMPLOYMENT

Residence Hall Director – Missouri S&T Residential Life, Rolla, MO

September 2019 – May 2020, January 2021 - Present

- Supervised, evaluated, and trained a team of student-staff RAs through one-on-one meetings, staff meetings, academic plans, and staff development.
- Oversaw the operations of residence halls with 400 to 700 students.
- Handled conduct and student-of-concern cases; responded to emergency and crisis situations.
- Managed, revised, and implemented a residential curriculum for student development; advised local student hall government.

Recycling Coordinator at The Community Partnership, Rolla, MO

June 2018 – September 2019

- Oversaw a textile waste reduction program for a not-for-profit thrift store; responsible for diverting over 45 tons of salvage clothing from the landfill.
- Recruited, trained, and supervised volunteer groups of up to 50 volunteers.
- Processed clothing donations and prepared salvage clothing for baling.
- Coordinated the spending of grant-acquired funds.