

Royce Churchill Schultz

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Education

New York University

Beginning August 2021

Tandon School of Engineering

Incoming student, M.S. Computer Science

University of Colorado, Boulder

Graduating May 2021

College of Engineering

B.S. Computer Science, Minor in Applied Mathematics

3.7 Major GPA, 3.5 Cumulative GPA

Favorite Classes: Big Data Architecture, Machine Learning, Natural Language Processing,
Advanced Data Science, Computer Vision, Numerical Analysis, Robotics

Experience

CU Leeds School of Business

September 2020 - Present

Machine Learning Researcher

Parsing text from more than 27,000 pages of scanned financial texts using AI vision models.

Measuring market sentiment over a corpus of over 100,000 TV News episodes using NLP models.

Building distributed data infrastructure to support collaboration for developers working remotely.

Supporting many different runtime environments by defining infrastructure using containers.

Amazon

May 2020 - July 2020

Software Engineering Intern

Used cloud services to build and deploy a web portal to address data needs and security concerns.

Wrote efficient algorithms to detect erroneous metrics in a massive data warehouse.

Supported continuous integration using automated deployment pipelines and unit tests.

CU Math Academic Resource Center

August 2019 - March 2020

Math Tutor

Encouraged students to use their critical thinking skills to solve math problems.

Held regular office hours, aiding dozens of students each week.

CU Office of Information Technology

May 2018 - May 2019

Student Technician

Created a web application to increase employee productivity by simplifying daily tasks.

Installed and maintained technology systems in rooms across CU's campus.

Projects

Smart Garden

February 2021 - Present

Deploying a raspberry pi to control watering cycles and collect metrics like temperature, humidity, and light intensity that are logged wirelessly to an InfluxDB host.

Supporting completely remote management with IP cameras, Grafana metric dashboards, and remote control and automation via a web portal.

Skills

Languages: Python, JavaScript, C, C++, Bash, SQL, MatLab, Scala

AWS: EC2, S3, Lambda, RDS, DynamoDB, CloudFormation CDK

Tools & Frameworks: Git, Docker, Docker-Compose, MongoDB, TensorFlow, Scikit-Learn

Development Methods: Agile, Unit Testing, Microservices, Containerization, CI/CD