

# NICK CRUICKSHANK

ncruickshank.github.io  
Williston, VT

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508-654-6991 | nccruickshank94@gmail.com

## Quality Control Data Analyst / Technical Writer

Data Analysis | Investigative Writing | Process Improvement

Innovative Data Analyst experienced in presenting key performance indicators from complicated datasets in a clearly understood fashion. Seeking opportunities to utilize and further develop analytical skills.

### CORE COMPETENCIES

Data Analysis | R | Tidyverse | GGPlot | Python | Pandas | Quality Control | Quality Assurance | Environmental Monitoring | Good Manufacturing Practice (GMP) | Aseptic Technique | Technical Writing | Pharmaceutical Industry | Novatek

## PROFESSIONAL EXPERIENCE

### Edge Pharma, LLC – Colchester, VT

2020-01 to Present	<p><i>Quality Control Data Analyst / Technical Writer</i></p> <p><u>Responsibilities</u> Analyze Quality Control (QC) data to communicate key performance indicators to upper management. Write technical reports (SOPs, CAPAs, investigations) to drive process improvement. Collaborate as part of the audit response team to ensure the company is meeting regulatory expectations (FDA, California Board of Pharmacy).</p> <p><u>Key Achievements</u></p> <ul style="list-style-type: none"><li>• Pioneered environmental monitoring (EM) data trending, allowing management to act on previously under-utilized data generated as part of the EM Program</li><li>• Launched and qualified (IOPQ) Novatek EM Software, a 21 CFR 11 compliant EM data management software, providing the company with significantly improved EM data management and trending capabilities</li><li>• Streamlined production scheduling by implementing an easy to use google sheet for inter-departmental purposes, saving 5-8 hours a week for the production manager</li><li>• Trained and mentored new members of companies writing staff, allowing the company to keep up with report writing needs</li></ul>
2018-11 to 2019-12	<p><i>Quality Control Environmental Monitoring Specialist / Technical Writer</i></p> <p><u>Responsibilities</u> Schedule and perform EM testing for sterile cleanroom compounding activities as part of a collaborative team to continually ensure that cleanrooms used in production are within control. Investigate EM samples which were above acceptable limits following incubation.</p> <p><u>Key Achievements</u></p> <ul style="list-style-type: none"><li>• Created a new job function within the cleanroom production environment, pioneering the logistical implementation of the testing requirements</li><li>• Collaborated closely with the Production Manager to ensure that EM testing requirements were met while fostering inter-departmental cooperation</li><li>• Built an excel spreadsheet which provided detailed logs of EM testing schedules, while also allowing for labels to be easily created for media plates used in testing. These printed labels halved the amount of time required to label plates</li></ul>

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2017-09  
to  
2018-10

*Production Pharmacy Technician*

## Responsibilities

Compound patient-specific allergy extract treatment sets in an ISO 5 environment using good manufacturing practice and industry standard aseptic technique.

## Key Achievements

- Exceeded production expectations in a cleanroom compounding environment

## EDUCATION

2017-08 **M.S. in Pharmacology (Thesis-based)** | *University of Vermont*

2016-06 **B.S. in Neuroscience (Chemistry minor)** | *University of Vermont*

2020-09 **Applied Data Science with Python** | *University of Michigan - Coursera Certificate*

2015-06  
to  
2017-08

*Graduate Research Assistant – Dr. Erdos Lab*

## Responsibilities

Perform various complex surgical procedures on lab rats (radio telemetry transmitter implantation, stereotaxic brain surgery, cardiac perfusions). Analyze perfused brain tissue using immunohistochemistry and fluorescent microscopy imaging.

## Publications

- Master's thesis on "The Effects of hypothalamic Brain-Derived Neurotrophic Factor on Catecholaminergic Regulation of Cardiovascular Function"
- Co-author on "BDNF downregulates  $\beta$ -adrenergic receptor-mediated hypotensive mechanisms in the paraventricular nucleus of the hypothalamus" published in the American Journal of Physiology: Heart and Circulatory Physiology.

2014-06  
to  
2015-09

*Undergraduate Research Assistant – Dr. Toth Lab*

## Responsibilities

Analyze images of muscle tissue to assess mitochondrial density in atrophy models.

## Publications

- Co-author on "Chronic Disuse and Skeletal Muscle Structure in Older Adults: Sex-Specific Differences and Relationships to Contractile Function" published in the American Journal of Physiology-Cell Physiology.

## INTERESTS

**Marathon Running | Hiking | Gaming**