

# Michael Chery-Winder

## Data Engineer

Beverly, MA | (603) 969-8268 | [mhwinder@gmail.com](mailto:mhwinder@gmail.com) | [LinkedIn](#) | <https://github.com/mhwinder>

### SUMMARY

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I am a data enthusiast with a passion to dig into the numbers and hunt for surprises. I have a knack for inspiring my own excitement in others, which has helped me be an effective leader. I love to quantify everything both professionally and personally and use those numbers to drive my decisions. I see how data can shape our everyday life and want to harness it to make positive changes in the world.

### SKILLS

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**Programming Languages:** C, C++, C#, Python, Java, JavaScript, Fortran, HTML, CSS, Git/Github, SQL, Mirth, IntelliJ

**Additional Skills:** Leadership, Teaching, Teamwork, Communication, Problem Solving, Time Management, Mathematica, MATLAB

### PROFESSIONAL EXPERIENCE

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#### Data Integration Engineer

2021 - 2023

PatientPing / Bamboo Health

- Built ETL pipelines for new customer HL7 data using Mirth integration engine and javascript
- Managed third party contractors Atlantic Data Security and oversaw VPN creation/management
- Updated legacy EC2 systems with terraform to comply with security best practices
- Built JIRA workflows and ticketing dashboard to streamline operations team
- Wrote SQL queries to answer management questions and troubleshoot operations problems
- Documented processes and facilitated communication between Operations, Firewall and customers

#### Data Science Fellow

2020 - 2021

General Assembly

- Completed 6 Data Science Projects including one capstone project
- 500+ hours of full-time instruction with hands-on experience in data cleaning, data analysis, data visualization, python and git
- Extracted images comments and likes from websites using APIs and web scraping in python
- Utilized NLP to build a classification model to identify the forum a comment was posted in
- Created a neural network model to predict user reactions on images

#### Program Instructor

2017 - 2020

Top Secret Science

- Presented hands-on science program as a school assembly for elementary school-age students with group sizes of 30-100
- Fostered enthusiasm for science by encouraging play during hands-on activities
- Ran before school and after school science programs with group sizes of 5-30
- Planned and executed week-long science camp programs with group sizes of 10-30 comprised of diverse age students
- Managed 1-3 highschool and college aged assistants during camp program activities

#### Teaching Assistant

2010 - 2015

University of Connecticut

- Taught weekly laboratory classes for 12-20 students on subjects including Astronomy, Electricity and Magnetism, and Classical Mechanics
- Graded and provided feedback for lab reports on experiments conducted during class activities
- Set up, operated and maintained observatory telescope and general lab equipment
- Managed university astronomy website

#### Assistant Scoutmaster

2005 - 2015

Troop 459, Lee NH

- Supervised a Troop of 15-25 Scouts ages 11-17, focused on delegation to elected leaders
- Taught skills including Wilderness Survival, Fire Building, Forestry, First Aid, Teamwork, Environmental Responsibility
- Ensured health and safety during harsh weather and adverse conditions

### EDUCATION & CREDENTIALS

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**Data Science Fellow** January 2021, General Assembly

**PHYSICS** May 2016 **M.S.**, University of Connecticut, GPA 3.67/4.0

Specialization: Astrophysics

**PHYSICS** May 2009 **B.S.**, University of New Hampshire, GPA 3.45/4.0

Minor: English

**Eagle Scout** May 2005, Troop 459 Lee, NH