

# Reed M Terrell

## Software Engineer

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<https://github.com/RM-Terrell>

<https://www.codewars.com/users/RM-Terrell>

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### Programming Languages:

- Python
  - Javascript
  - Rust
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Software engineer with a primary focus on Python, Javascript and web development, and a recent interest in Rust.

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## Work Experience

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### Programming Technologies:

- Git / Github
  - CSS / HTML
  - Django
  - React
  - Jenkins
  - Webpack
  - Babel
  - Bootstrap
  - Jquery
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### ArcherDX Inc / Software Engineer II

January 2018 - PRESENT, Boulder Colorado

- Built medically regulated cancer diagnostic web applications for multiple regulatory bodies (PMDA, EU, and FDA) with a Docker/Jenkins CI/CD system
- Unified Python REST API endpoints to conform to a standardized request / response structure
- Built UI, REST API, and utility features for clinicians and researchers to help improve cancer diagnostics with Django, Python, Javascript, and PSQL
- Built Python based internal tools for the finance group that automated customer AWS billing
- Implemented ESLINT and Javascript units test standards throughout product codebases and refactored existing code to meet it
- Built and maintained a Python Selenium testing system utilizing Jenkins for automated end to end testing in multiple browsers

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### General Technologies:

- Docker
- VMWare
- Windows
- MacOS
- Linux (Centos, Ubuntu)
- Vscod
- Visual Studio
- Excel

### MedAware Systems / Medical Research Analyst and Software Engineer

December 2015- January 2018, Broomfield Colorado

- Created analyst friendly web based software tools to increase productivity of the analyst team.
- Worked alongside the software team to implement new UI features and resolve front end bugs in their .NET /C# tech stack
- Read and interpreted published clinical data, incorporating its results in MedAware's meta-analytical analysis system.
- Built a full stack C# / .NET MVC app for submitting, viewing, and tracking software bugs. (See Github repo "Bug-Reporting")

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### Professional Contacts:

#### David Streett

Software Engineer III at ArcherDX  
(702) 379-3482

#### Peter Kuehl

DevOps Engineer at ArcherDX  
303-521-2351  
[pkuehl6@gmail.com](mailto:pkuehl6@gmail.com)

#### Kate Jendersee

Manager at Medaware Systems  
(719) 648-5197

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### Hobbies:

- Backcountry skiing
- Mountain Biking
- Bouldering
- Reading
- Custom gaming computer builds
- Learning Norwegian

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### Leadership:

- Private paintball field operator for 5 years
- Eve: Online Fleet Command

### Institute for Arctic and Alpine Research (INSTAAR) -

#### Atmospheric Chemistry Lab / Undergraduate Research Analyst

March 2013- May 2015, Boulder Colorado

- Remotely managed INSTAAR's Summit Greenland Atmospheric Observatory scientific equipment with Team Viewer and Power Shell connections.
- Collected atmospheric gas data from the remote site, integrated it into INSTAAR's existing data and analysis sets.
- Prepared and processed samples from Northern Colorado atmospheric observation sites.
- Presented a poster at the 2014 NOAA Global Monitoring Conference.

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### Education

#### University of Colorado, Boulder/ Biochemistry

August 2010 - December 2015, Boulder Colorado

#### Thompson Valley High School

August 2005 - May 2009, Loveland Colorado

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### Self Study Education

- Obey the Testing Goat by Harry Percival
- The Pragmatic Programmer by D. Thomas and A. Hunt
- ES6 for Everyone by Wes Bos
- Javascript 30 by Wes Bos
- Understanding TypeScript by Maximilian Schwarzmüller
- Complete Node.js Developer Course by Andrew Mead
- PluralSight Paths for Python, C#, Javascript, and ASP.NET
- Complete ASP.NET MVC 5 Course by Mosh Hamedani
- C# Beginner by Mosh Hamedani
- C# Intermediate by Mosh Hamedani
- Entity Framework in Depth by Mosh Hamedani

### Open Source Contributions

- Duolingo Appearance. A Chrome extension for modifying the color and font appearance of the Duolingo website based on user input and themes.

<https://github.com/jonathandaugaard/duolingo-appearance>