

# CASEY McCULLOUGH

## SOFTWARE DEVELOPER AND ENERGY ANALYST

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Cleveland, Ohio | 650.996.9039 | [kcmccullough@gmail.com](mailto:kcmccullough@gmail.com) | [github.com/caseymccullough](https://github.com/caseymccullough)

I leverage my talents as a software developer with my knowledge of energy and climate issues to bring solutions to urgent real-world challenges. I provide efficient, clear coding based on twenty years of experience with the Java language. A former educator and manager, I facilitate effective team interactions with clear communication.

### Skills

Programming Languages: Python, Java, C++      Web Design: HTML5, CSS, JavaScript, React, Bootstrap, Django  
Database: SQL, JDBC, MS Access      Tech: Git, GitHub  
Energy Science: Google Earth, ArcGIS, Photovoltaic System Design and Energy Auditing

### Experience

#### General Assembly (Remote)

March 2021—May 2021

Software Engineering Fellow

Full-stack training featuring JavaScript, Python with Django, React and Express with Node.js. Project work included a [clone of NREL's PVWatts Calculator](#), a two-player [Othello game](#) and the [Mercury Marathon website](#) (group project).

#### Microsoft TEALS (Cleveland, Ohio)

August 2019—February 2021

Regional Manager, Ohio

Recruited, managed and trained team of over fifty software developers teaching computer science in over twenty classrooms in underserved communities.

#### Notre Dame College (Cleveland, Ohio)

April 2018—June 2019

Assistant Professor, Software Development. Course load included:

- *Programming Logic and Design*
- *Computer Decision Making Applications*
- *Data Structures*
- *Advanced Programming*

#### Menlo School (Atherton, California)

August 2014—May 2017

Computer Science and Environmental Science Teacher

#### Episcopal High School (Alexandria, Virginia)

August 2012—June 2014

Teacher and Director of Sustainability

Taught *Advanced Computer Science*, *Chemistry*, and *Advanced Global Energy*. Developed and implemented a portfolio of energy-saving strategies to save the school an estimated \$70,000 annually.

### Education

#### General Assembly

Software Engineering Immersive

Full-stack training featuring Python with Django, JavaScript, React, and Express with Node.js.

#### University of California, Berkeley

M.S., Energy and Resources Group

#### University of California, Berkeley

B.A., Political Economy of Industrial Societies

[PG&E three-day auditing workshop](#) plus other energy efficiency, renewables and project finance courses (2011—2012)

[Eyes in the Sky](#), long-term professional development program on NASA data and visualizations along with other geospatial information technologies (2006—2007)

[Solar Energy International's](#) intensive photovoltaic trainings (Beginning and Advanced) (1997)