

Craig Fiedorek

Durham, NC-based software engineer.

Experience

TargetSmart Communications

Senior Software Engineer

Mar 2023 - present

- **Voter Data Services for Progressive Orgs:** Develops and maintains API for transforming political datasets into advertising audiences used by Facebook, LiveRamp, and other digital platforms. Maintains front-end access to API within a Django web application.
- **ETL Workflow Expertise:** Designs and implements workflows using Pandas, Prefect, and AWS to maintain a voter file database containing over 500 million records.
- **Data Infrastructure Leadership:** Collaborates with CTO to enhance DevOps workflows and modernize data engineering processes. Co-leads a company-wide migration from no-code tools like Alteryx in favor of orchestrated SQL queries to a centralized Snowflake data warehouse.

Seeq Corporation

Senior Software Engineer

May 2022 - Dec 2022

Software Engineer

Feb 2021 - May 2022

- **Team Leadership and Project Management:** Led the design and development of Displays, a tool for creating and managing visualizations across an organization's asset hierarchy. Managed a team of six developers, allocating tasks and overseeing project progress.
- **Product Architecture Leadership:** Lead architect for SPy (Seeq Python), a proprietary Python package for Pandas-integrated time-series data manipulation within the Seeq ecosystem. Presented product vision and designs at Product Architecture Team meetings.
- **API Design and Development:** Expanded and standardized core Seeq API to follow RESTful conventions. Developed client SDKs and in-browser development environments for programmatic API access.
- **Release Management:** Managed release cadence for SPy, coordinating with code contributors to determine the inclusion of features and bugfixes in releases. Assessed product growth, scheduled deployments, and implemented release automation.

<https://craigf.io>

rcraigfiedorek@gmail.com

github.com/rcraigfiedorek

linkedin.com/in/rcraigfiedorek

Education

Duke University 2016-2020

B.S. in Mathematics

B.A. in Computer Science

GPA: 3.5

Personal Projects

Contextualized Carbon 2022

- Web application and API built on a stack of Flask, Pandas, Postgres, React, and Nginx. Deployed using GitHub Actions and Docker Compose to a Google Compute Engine instance.
- Aggregates and presents EPA data on corporate greenhouse gas emissions. Generates non-technical descriptions of the magnitude of emissions.
- Hosted at emissions.craigf.io.

Research

Quantum Type Theories 2020

- Senior capstone project on quantum programming language design.

Skills

Python	React	Django
Typescript	SQL	Flask
Java	laC	Pandas
Kotlin	ETL	Docker
AWS	Google Cloud Platform	