Craig Fiedorek

Durham, NC-based software engineer.

https://craigf.io

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Experience

TargetSmart Communications

Senior Software Engineer   **Mar 2023 - present**

- Develops and maintains services for transforming political datasets into advertising audiences for consumption by Facebook, LiveRamp, and other digital platforms.

- Writes infrastructure as code (IaC) solutions for managing AWS resources, deploying services, and simplifying cloud workflows.

- Modernizes ETL workflows by porting non-code solutions to Python, containerizing Python workflows, and moving on-premise data processing to scalable cloud-native infrastructure.

Seeq Corporation

Senior Software Engineer   **May 2022 – Dec 2022**

Software Engineer   **Feb 2021 – May 2022**

- Developed enterprise SaaS products for time-series data analysis. Worked on Extensibility Team to enable API access, customizable workflows, add-on visualizations, and user development environments within Seeq software.

- Led architectural decisions for SPy (Seeq Python), a proprietary Python package for Pandas-integrated manipulation of time-series data within the Seeq ecosystem. Reported to CTO with reviewed designs, changes, and challenges within the product. Presented product vision and ongoing designs at Product Architecture Team meetings.

- Led the design and development of Displays, a tool for quickly creating and scaling graphs, tables, and other visualizations across all elements in an organization's asset hierarchy. Subdivided tasks and delegated responsibilities across team of six developers.

- Managed release cadence for SPy, coordinating with all code contributors to determine which features and bugfixes to include in releases and pointfixes. Assessed product growth and scheduled deployment of major releases.

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.

- Transforms and exposes EPA data on corporate greenhouse gas emissions.

- Hosted at emissions.craigf.io.

Research

Quantum Type Theories   **2020**

- Senior capstone project on quantum programming language design and the categorical semantics of quantum lambda calculi.

Skills

Python	React	Flask
Typescript	Postgres	NumPy
Docker	OpenAPI	Pandas
Java	Kotlin	Nginx
AWS	Google Cloud Platform	