

# DREW LINDSTROM

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## WORK EXPERIENCE

### Prudential Financial, New York, NY – Full Stack Developer

January 2022 – Present

- Sole developer of an Electron desktop application that allows salesmen to update website demos from a remote server and launch said demos offline. Utilized skills acquired as an applications engineer to design application with how a general salesperson would use said app.
- Currently in the beginning stages of working on a team to modernize legacy customer facing applications.

### Genesis10, New York, NY – Dev10 Software Developer

October 2021 – Present

- Completed a rigorous 17 week full stack software development course including: Java, Spring, MySQL, React, Docker, and Salesforce. Placed with Prudential Financial as a contractor.
- Created a running club web application as a capstone group project. Users were able to create new runs, join runs, and join existing running groups on the app. Utilized Google Maps API to show location of runs on an interactable map. Project can be viewed [here](#).

### Personal Sabbatical

January 2021 – October 2021

- Studied full time to turn hobby of programming into full time career. Personal projects and website listed below were created during this time.

### Donaldson, Bloomington, MN – Applications Engineer

April 2020 – January 2021

- Utilized soft skills, time management, and problem solving skills to assist salespeople as the sole applications engineer for the East Coast sales team. Assisted with technical questions, complex quote requests, and application issues in a high pressure environment.

### Scanlan Int., St. Paul, MN – Medical Device R&D Intern

May 2019 – March 2020

- Independently led several projects, including: the development of four surgical instruments from concept to production/near production, the early development of an instrument tag dispenser, and the implementation of new sterilization trays.

### Chart Inc., New Prague, MN – Medical Device Co-op Student

May 2017 – August 2018

- Conducted design research in the R&D Medical Device Department on improvements to a liquid nitrogen discharge device resulting in potential savings of up to \$65,000 per year. Often praised on skills for deep level research.

## TECHNICAL SKILLS

**Proficient:** Python, Java, React, Javascript, HTML/CSS, SQLite/MySQL, Spring, Git **Comfortable:** Django, Flask, Docker, Heroku

## PERSONAL PROJECTS

**Pokemon Battle Game** – ~5000 line Pokemon battle game web app with two fully functional teams and an AI to play against.

- Majority of main game mechanics were implemented and web scraping was used to allow use of any Pokemon or move (ignoring any non implemented special mechanics).
- Program was structured for easy implementation of any new move/ability mechanics with extensive testing coverage.

Utilized: Python, Flask, HTML/CSS/Bootstrap, Pytest (Unit and Integration Testing), BeautifulSoup (Web Scraping), Heroku

**Personal Blog** – RESTful web blog where users can create an account/log in, post/edit/delete blog posts, upload a profile picture, and browse blog entries from all other users.

Utilized: Python, Django, HTML/CSS/Bootstrap, AWS S3, SQLite, Heroku

**Optimal Pathfinder** – Program with GUI that finds the optimal path between two points.

- User places a start point, an end point, and obstacles on a 2D grid and A\* or Dijkstra's is used to find the most optimal path.

Utilized: Python, Pygame (GUI), Graph Data Structure Theory

**Face Recognizer** – Web app with REST API where users can create an account/log in and submit pictures of people for a Clarifai API to identify faces with. Users gain points by submitting photos the API is successfully able to identify faces in.

Utilized: Node, HTML/CSS/Bootstrap, React, JavaScript, SQLite (Development), PostgreSQL (Deployment), Clarifai API

Pokemon Battle Game and Personal Blog viewable at [drew-lindstrom.com](https://drew-lindstrom.com). Projects and website were created during personal sabbatical.

## EDUCATION

### Mechanical Engineering (B.S.)

September 2015 – December 2019

University of Minnesota, Minneapolis, MN

Alpha Theta Tau – Professional Co-ed Engineering Fraternity

- President, Recruitment Chair, Brotherhood Chair, and Philanthropy Chair