**Andrew Morgan**

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U.S. Citizen Pittsburgh, PA 15232

I am a creative, detail-oriented, motivated data scientist and software developer. I have been unable to work since 2019 because I have been caretaking for my disabled mother (Multiple Sclerosis) since the Covid-19 pandemic began.

EDUCATION

**Bachelor of Science**: **Economics-Statistics** and **Computer Science**

University of Pittsburgh December 2019

* **Overall** **GPA** of **3.6/4.0**
* *Magna Cum Laude*
* Dean’s List 7/9 semesters
* Economics-Statistics **GPA** of **3.7**/4.0
* Computer Science **GPA** of **3.6**/4.0
* Coursework: Software Engineering, Database Management, Statistical Learning, Artificial Intelligence

WORK EXPERIENCE

**Frontend Developer** and **Project Liaison**, The Process Consultant, Pittsburgh, PA 05/2019 – 08/2019

* Migrated demo site content to new content management system to attract new clients.
* Enhanced user-interface to allow clients and users to easily upload and navigate content.
* Ensured management and technical teams have aligned goals and mutual understanding.

**Frontend Developer Intern**, Imagine Careers, Pittsburgh, PA 05/2017 – 08/2017

* Created modern-styled dashboard interface allowing clients to tailor their accounts.
* Collaborated with team to improve search and filtering system to increase user base.
* Increased user retention by adding search and filtering prompt within results.

**Barista**, Crazy Mocha, Pittsburgh, PA 08/2016 – 10/2018

SKILLS

**Programming Languages**: Python, Java, JavaScript, Ruby, C, R, MATLAB, HTML5, CSS

**Frameworks, Libraries, Databases**: Flask, Anaconda (Scikit-Learn, NumPy), PostgreSQL, Oracle DB, Angular, jQuery

**Tools**: Git, Agile methodologies (SDLC), Heroku, Unix/Linux systems, Virtual Machines (Hyper-V), Excel, PowerPoint

**Data Analysis Skills**: Linear Regression, Bootstrapping (cross-validation), Model Selection, Bias-Variance Tradeoff, Ensemble Methods, SVMs, CNNs, Agent-Based Modeling, Time Series Analysis, Dimension Reduction Methods

PROJECTS and DATA ANALYSES

**Website Tracker Application**

Can be viewed on my website: [https://andrew-morgan-website.herokuapp.com/website-tracker](https://andrew-morgan-website.herokuapp.com/website-tracker/dashboard)

* Application manages website’s content metadata, update notifications, bug reports, and wish lists.
* Bug reporting tool found through website’s Navbar for easy documentation of bugs.
* User authentication system to allow easy modification of reports and wishes.
* Built with **Python** (**Flask**), **PostgreSQL**, **JavaScript**, **HTML**, and **CSS**.

**CraigVersity Application**

Integrated into my website: <https://andrew-morgan-website.herokuapp.com/craigversity>

* Application designed like Craigslist where sellers and buyers can meet.
* Programming lead among group of 4 other classmates to develop prototype of our application.
* Built using **Flask**, **SQLite3**/**PostgreSQL**, **SQL**-**Alchemy**, **JavaScript**, **HTML**, **CSS**, **Bootstrap.**

**Data Analysis of Human Freedom Index**

Can be viewed on my website: <https://andrew-morgan-website.herokuapp.com/my-posts/posts/3>

* Data Analysis of the Cato’s Human Freedom Index (HFI) performed as team of 5 classmates utilizing **R**.
* Objective was to use **statistical learning methods** to discover the most relevant variables/predictors.