Andrew Morgan

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[GitHub: amm414](https://github.com/amm414/) • [LinkedIn: andrew-morgan-cs-econ-stat](https://www.linkedin.com/in/andrew-morgan-cs-econ-stat/) • [Personal Website](https://andrew-morgan-website.herokuapp.com)

WORK EXPERIENCE

**Software Engineer II** August 2022 – Present

Artech LLC at Google Pittsburgh, PA

* Developing internal web apps for Google’s Datacenter using **Angular** and **protobufs**.
* Creating interactive visualizations for Google’s datacenter event logging and task start / end events.
* Launched new app for tracking task status, dependencies, duration for tracking within supply chain.
* Improving search within datacenter app used by technicians to improve efficiency and user experience.

**Software Developer** October 2021 ­– July 2022

Management Science Associates, Inc. Pittsburgh, PA

* Developing in a 5-person team on a big-data web application used by Fortune 500 companies.
* Delivered automated report scheduling for users when data is updated (weekly or monthly).
* Automated internal user administration and DevOps processes for decommissioning clients.
* Collaborating across teams to migrate legacy system into current web service using **C#, PL/SQL, Angular**.

**Software Developer** May 2019 – August 2019

Self-Employed; Contracted by The Process Consultant (Ian James) Pittsburgh, PA

* Enhanced UI of web application managing process documentation using **JavaScript (jQuery), HTML, CSS.**
* Automated process for migrating client’s data from prior application to new application using **Python**.

**Software Developer, Intern** May 2017 – August 2017

Imagine Careers Pittsburgh, PA

SKILLS

**Programming/Database Languages**: Python, C# (.NET), SQL (PL/SQL, Postgres), Java, R

**Web-Based Skills**: TypeScript, Angular, AJAX, RXJS, HTML, CSS, RESTful API, JSON, protocol buffers

**Data Science Skills**: Machine Learning, Neural Networks, Agent-Based Modeling, Time Series Analysis

**Other Skills and Tools**: Git, TFS, JIRA, Automated Testing, Unit Testing, Unix, Linux, Windows, Virtual Machines (Hyper-V), SDLC (Waterfall, Agile), Excel, Word, Markdown, Algorithms and Data Structures

EDUCATION

**University of Pittsburgh** September 2015 – December 2019

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

* **Overall GPA**: **3.6**/4.0
* ***Magna Cum Laude***
* Computer Science GPA: 3.6/ 4.0
* Dean’s List 7/9 Semesters

PERSONAL WEBSITE DETAILS

**My Personal Website** June 2020 – Present (Ongoing Project)

Found at:<https://andrew-morgan-website.herokuapp.com/>

* Continuous development on my personal portfolio website and the projects within to learn and improve my skills using **Python (Flask), PostgreSQL, JavaScript (jQuery), HTML, CSS, Bootstrap, Git, Heroku.**
* Led 5-classmate team as lead programmer to deploy prototype of [CraigVersity](https://andrew-morgan-website.herokuapp.com/craigversity), like Craigslist at school-level using Python (Flask), JavaScript, Bootstrap, CSS, HTML (Sept 2019 – Dec 2019).
* Integrated [Website Metadata Tracker App](https://andrew-morgan-website.herokuapp.com/website-tracker/dashboard) to track bugs, content, user requests, and website updates.