

Andrew Morgan

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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](#), like Craigslist at school-level using Python (Flask), JavaScript, Bootstrap, CSS, HTML (Sept 2019 – Dec 2019).
- Integrated [Website Metadata Tracker App](#) to track bugs, content, user requests, and website updates.