

Brendan Manning

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EDUCATION: TEMPLE UNIVERSITY, College of Science & Technology, Philadelphia, PA

Major: Data Science, Computational Analytics, **Graduation: May 2022**

GPA: 4.0 | University Honors Program | University Provost Scholar

SKILLS: Python NumPy Pandas scikit-learn Jupyter Dash JavaScript Node.js React
HTML CSS Java Scala SQL Git Linux CI/CD Docker AWS Tableau

EXPERIENCE:

Cigna Corporation – *Technology Early Career Development Program (TECDP)*

Data & Analytics Enablement Team

May 2020 - Present

- Leveraged pair programming to teach core data science skills to fellow interns and improve their performance; both are now proficiently using Python and Pandas in their daily work.
- Created an adoption dashboard for an enterprise initiative using Dash, Numpy, and Pandas; Demonstrated dashboard at Technical “Show and Tell” to leaders including Cigna’s Head of Big Data.
- Implemented data-mocker in Python, allowing teams to test workflows on generated data (conforming to their schema) before exposing the code to protected information.
- Served as Technical Lead for Cigna Intern Innovation Challenge; divided work among team members, secured access to COVID-related data, and set reasonable technical expectations.
- Detected correlations between COVID cases, geographic mobility, Google search data, and internal Cigna data and automatically showed the strongest correlations using lagged spearman coefficients.

Technical Empowerment & Advancement Team

June 2019 – May 2020

- Scraped data and built a model to detect commented-out code with 80% accuracy to improve the maintenance of large codebases.
- Participated in refactoring efforts for a developer productivity tool that Cigna is open-sourcing.

TrailMapper – *Database Engineer*

May 2020 – Present

- Engineered a startup’s move of a 60+ million row database from AWS EC2 to RDS.
- Wrote reporting tool in Scala that reduced a key process from 1 hour to 10 seconds.

Eagle Eye – *Software Engineer, Data Analyst*

July 2019 – November 2019

- Built voter analytics application in Node.js and Electron that helped candidate win by 2% margin.

Kiva – *Volunteer Software Engineer*

October 2018 – May 2019

- Developed training platform for community moderators of a large social-good website, saving Kiva 50+ hours of paid development time, using Node.js, React, MongoDB, and GraphQL.
- Developed a page scaffolding framework and integrated with Google SSO to simplify development for a team of four volunteer programmers, two of whom had no React experience.

College Bound Learning Center – *Software Engineer*

June 2017 – August 2017

- Sold first app at age 17 to help a tutoring business better educate 250+ students.
- Pitched to client, negotiated terms, and delivered React Native app ahead of time and on-budget.

ACTIVITIES:

TUDEV – *President, Computer Science Club*

December 2019 – Present

- Organize skill building workshops on skills including Node.js, Python, and Twitter scraping.
- Manage Slack community of 1,000 members for meeting times, hackathon dates and networking.

Temple LeaderShape Seminar – *Selected Participant*

March 2020

Temple Honors Appalachia – *Volunteer*

May 2019

Service Immersion Program: El Paso, TX – *Selected Participant*

May 2019