

Brianna Raquel Gomez McGowan

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My mission is to architect and develop meaningful systems and tools. I balance effective technical clarity with strong emotional intelligence and community organizing skills that build trust and collaboration.

SKILLS, LANGUAGES, AND ALGORITHMS

- Python, JavaScript, SQL, HTML, CSS, Jekyll, Ruby
- LLMs, Deep Learning & Artificial Intelligence
- Front-end Web Design, FIGMA
- Neural Networks (RNNs, CNNs)
- TensorFlow, Keras, PyTorch
- Project Management & SAFe Scrum Director
- Systems Design
- Application Programming Interface (API) Development
- Data Visualization & Analytics
- Agile methodology

EXPERIENCE

General Services Administration, Office of Government-Wide Policy,

Senior Advisor to the Office of Technology Policy and Senior Data Scientist | Washington, DC

Jul 2021 -

Current

- Lead **7 large technical teams** as **Project Manager** and **Senior Data Scientist** using **Agile** methodologies
- Pioneered the first 2 GSA Federal **AI** projects that are in production that set the **golden standard for A-Suite**
- Implement LLMs, RAG, NLP, deep learning, and other AI initiatives, and develop their respective protocols
- Inform the United States Senate on **Artificial Intelligence (AI)** and give reports to provide guidance on policy
- **Designed systems**, roadmaps, strategies, and **next gen technology** to optimize project lifecycles at a programmatic level
- **Envision and implement new purposes** for major projects that align technological innovation with organizational goals
- Invent and continuously improve on processes to **streamline tech operations** and **deliver excellence** across teams
- Set **data-informed** milestones and **KPIs** to effectively **scale products** that are applied public and government-wide
- Liaise between key stakeholders to align; fostering collaboration and creativity to engender **strong brand recognition**

Booz Allen Hamilton, *Lead Data Scientist* | Washington, DC

Sep 2019 - Jun 2021

- Managed and led the **code review processes** for 52 developers **across 4 teams**
- Authored a detailed **Enterprise Automation Plan** to develop NAVSEA's **Center of Excellence** for **unsupervised RPA**
- Lead **3 technical teams** to develop **10 Robots** that **automate workflow processes** on AWS cloud
- Developed an **API** in **Python** to create visualizations of solar and meteorological data for NASA
- Developed computer vision **neural networks** comparing handwriting images to identify USPS package types
- Developed **multi-label Natural Language Processing (NLP) models** to classify tasks
- Developed **multi-armed bandit algorithm** implementing **reinforcement machine learning**

ItsHospitality, *Creative Data Analyst* | Washington, DC

Nov 2018 - Sep 2019

- Developed **web scraping** scripts in **Python** to automate data entries of all events in the DMV area and worked closely with the UI/UX team, CEO, and CTO to develop strategies for app improvement and **cybersecurity**.
- Combined **NLP** and **machine learning** techniques using **Google's DialogFlow** to create a chat bot for iOS and web apps.

AWARDS/PROJECTS:

- Point Award, GSA
- TEDx Talk: *Know Your Values in the Age of Automation*
- PBS Kids Data Science Bowl Hackathon, 2nd place
- DC FemTech Award in Data
- World Resources Institute Hackathon, 1st place

ADVOCACY/VOLUNTEER:

- Women Who Code DC, *Python Director*
- ReDelicious DC, *Co-Director/Worker-Owner*
- Make All Votes Count DC/ Yes on 83, *Lead Organizer*
- Ward 5 Education Equity Committee, *Steering Committee*
- DC for Democracy, *Steering Committee*

EDUCATION/TRAINING

BA Economics, University of Texas, Austin | Computer Science Certificate | Minor in Italian

- Build Neural Networks From Scratch and Natural Language Processing Certificate | Udemy | Aug 2022
- Deep Learning: Advanced Natural Language Processing and RNNs | Udemy | December 2022
- Certified Information Systems Security Officer for Cybersecurity and IS Management | Udemy Business | Nov 2021
- Object Oriented Programming in Python | Udemy | April 2021
- Front End Development | Udemy | Jun 2020

- Robotics Processing Automation Certification | UiPath | Dec 2019
- Computer Vision and Image Analysis | EdX | Sep 2018
- Elements of Computer Programming | UT Austin | 2017

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- Women Who Code DC, *Python Director*
- Delicious Democracy, *Lead Organizer/Worker-Owner*
- Make All Votes Count DC/ Yes on 83, *Lead Organizer*
- Ward 5 Education Equity Committee, *Steering Member*
- DC for Democracy, *Steering Member*

DANCE:

- Capitol Hill Arts Workshop, *Dance Teacher* | Aug 2018 - Nov 2019
- Modern dance with Alvin Ailey, *Corps* | Summer 2018
- 12 years experience modern, ballet, tap, and jazz dance with 5 years experience in choreography

PERSONAL PROJECTS:

- Developed a prototype website using principles, components, and design of U.S. Web Design System | Apr 2021
- Developed 5 websites using Netlify and Github Pages for clients to increase their digital presence | Sep 2018 – Nov 2020
- Developed 2 websites using Jekyll static sites for more collaborative website building with a team of artists.
- Developed 3 different websites for a grassroots organization to improve civic education | June 2018 – Oct 2019
- Taught a Women Who Code Course on website development and cybersecurity | Sep 2018
- Elasticsearch using Python and Kibana for data visualization to improve search bars on a website | Aug 2018

Artificial Intelligence/Data Science:

- Developed AI model that can generate confidence scores based on outcomes from other AI models | Feb 2021
- Developed AI to transform video into textural art with textile overlays and CGI | Jan 2021
- Developed Natural Language Processing model to predict sentiment and generate text classification | Oct 2020
- Lead 5 workshops on algorithms for improving data cleaning and data science best practices | May 2019
- Developed web-scraping scripts in Python to use for data science modeling | Dec 2018