LUCAS GOVER

📞 847-532-1461   ✉ lucasgover@gmail.com   🌐 lucasgover.com   in lucas-gover-828822223   ⌨ lwgover

EDUCATION

University of Puget Sound – Tacoma, WA   **Aug 2019 - May 2023**
Computer Science (B.A.) and Political Science (B.S.)   *Department GPA: 3.8 — Cumulative GPA: 3.5 / 4.0*

TECHNICAL SKILLS

Languages: Java, Python, C, Javascript, LaTeX, HTML5, R, Haskell, Prolog, and Excel.
Technologies/Frameworks: GitHub, ReactJS, NodeJS, Pandas, MySQL, TensorFlow, PyTorch, D3.js
Soft Skills: Team building, Leadership, Communication, and Engaging writing

PROJECTS

Political Identity Visualization ⎋ | React, D3.js, Flask API, Pandas, Sklearn   **Aug. 2022 - May 2023**
- Developed a website which visualizes how personal identities can shape political values. Users have the option to select which values and identities they are interested in. These selections are sent to a predictive model to better understand the relationships between them. The website renders this complex data in an easily understandable way, developing an intuitive yet detailed platform that can be used by both laymen and seasoned political scientists.

Interactive Data Visualization ⎋ | D3.js, Graph Algorithms, SQL, Java   **June 2023**
- Analysed a movie review database to learn which movies are most similar to each other, and connecting similar movies in a graph structure. Created an interactive web-application to visualize this graph.

Generative AI research ⎋ | TensorFlow, PyTorch, Python   **Jan 2023 - May 2023**
- Conducted research into generative AI using GANs to create artificial birdsong. Utilized recurrent neural network and transformer GAN Architectures to evaluate the efficacy of both methods, and further . Analyzed and reported on the performance of different models as well as pertinent data metrics.

[More projects, along with writing samples, can be found on my website]

EXPERIENCE

AI, Programming, & Leadership Lead Instructor   **May 2023 – Present**
iD Tech   *Chicago, IL & Boston, MA*
- Advised and assisted instructors while teaching courses on *Java, Python, Leadership, and Artificial Intelligence.* Students left with strong foundations in computer science. Students gave feedback for my classes such as "Fun time, very interactive and engaging learning." and "[Lucas] was kind, attentive, and lessons were easy to digest."
- Taught a course on *Artificial Intelligence with NVIDIA* at MIT, where students created and trained Computer Vision and Natural Language Processing models, and gained confidence with the command line.
- Taught and developed lesson material for a course on *Entrepreneurship, Leadership, & Communication* for 13-18 year-old students in partnership with the Kellogg School of Management.

Computer Science Tutor and Teaching Assistant   **Sept 2022 – May 2023**
University of Puget Sound   *Tacoma, WA*
- Provided in-depth tutoring to undergraduate students on a weekly basis. Tutored students in upper-level courses including *software development, Algorithms, Database Systems, Computer Graphics, and Artificial Intelligence.* Multiple students recieved a two letter grade increase in their test scores with my assistance.

Resident Assistant   **Jan 2021 – May 2023**
University of Puget Sound   *Tacoma, WA*
- Served as the go-to resource for the residents of my assigned residence hall for three years. Provided support, guidance, and direction for any issues that arose. Created multiple strong and supportive hall communities of first-year students. Additionally, I acted as a role model for the student body and help to create a positive living and learning environment.

RELEVANT COURSEWORK

- Data Structures & Algorithms
- Operating Systems
- Interactive Data Visualization
- Artificial Intelligence
- Database Management System (DBMS)
- Big Data in Social Science
- Political Science Research Methods
- Software Development

LEADERSHIP, AWARDS, & COMMUNITY INVOLVEMENT

First place in Puget Sound Programming Competition | UWT   November 2022
Head of Design for *The Commons* Politics Journal | Tacoma, WA   Jan 2023 – May 2023
Honor Court Justice | **University of Puget Sound** | **Tacoma, WA**   Oct 2022 – May 2023
President of UPE Comp Sci. Honor Society | **University of Puget Sound**   April 2022 – May 2023
Assistant Director | **Eco-Explorers Summer Camp** | **Evanston, IL**   May 2021 – Aug 2022