

LUCAS GOVER

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🐙 [lwgover](https://github.com/lwgover)

EDUCATION

University of Puget Sound – Tacoma, WA

Aug 2019 - May 2023

Computer Science (B.S.) and Political Science (B.A.)

Department GPA: 3.8 — Cumulative GPA: 3.5 / 4.0

TECHNICAL SKILLS

Languages: Java, Python, C, Javascript, \LaTeX , HTML5, R, Haskell, Prolog, and Excel.

Developer Tools: VS Code, Sublime Text, Vim, IntelliJ Idea

Technologies/Frameworks: GitHub, ReactJS, NodeJS, Pandas, MySQL, TensorFlow, PyTorch, D3.js

Soft Skills: Team building, Leadership, Persuasion, Communication, and Engaging writing

PROJECTS

Political Identity Visualization  | React.js, D3.js, Flask API, Pandas, Sklearn

July 2023

- Developed a web-application which visualizes how personal identities can shape political values. Designed and built front-end user interface and data visualization, and integrated the back-end to service queries. The website renders complex political and identity dynamics in an easily understandable way, developing an intuitive yet detailed platform that can be used by both laymen and seasoned political scientists.

Generative AI research  | TensorFlow, PyTorch, Python

Jan 2023 - May 2023

- Conducted undergraduate research into developing cutting-edge deep learning models to create artificial birdsong. Analyzed and reported on the performance of different models, and presented findings to an audience without a background in computer science.

Quiz Website | React.js, Javascript, mySQL

Nov. 2022 - Dec. 2022

- Created a web application for creating and taking quizzes for my Database Management class final project. Designed and optimized front-end that enables users to find and take quizzes. Implemented an efficient back-end to store user-created data and facilitate user queries.

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 achieved 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.

RELEVANT COURSEWORK

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|--------------------------------|----------------------------------|-------------------------------------|--------------------------------|
| • Data Structures & Algorithms | • Interactive Data Visualization | • Database Management System (DBMS) | • Capstone in Computer Science |
| • Operating Systems | • Artificial Intelligence | • Software Engineering | • Big Data in Social Science |

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