Daniel Gray

740-491-4843
yodan.and.the.sixth.character@gmail.com

GitHub
LinkedIn

Work:

Software Engineer: Google contractor through Raybeam/DEPT. November 2021 – current.

- Full-stack engineer on internal Google marketing projects with varying tech stacks.
- Currently a channel lead on my section of my current project, meaning I directly liaison with our Google clients, act as product manager, oversee relevant tickets (bugs / feature requests), and direct the two engineers under me.
- Have 'Typescript Readability' meaning I review/approve Typescript code in the Google codebase.
- Earned a 'Raybeam Kudos' from my manager for productivity and project ownership.

Web Developer: Rebuilt website for small non-profit run by family friend. Jan 2023 – Apr 2023.

- Small website with LAMP+JS stack, custom login system, and admin dashboard.

United States Marine Corp Reserves: Company C, 6th ESB, Peoria, IL. May 2020 – March 2023.

- Participate in monthly weekend drills, take online training on leadership, combat engineering, and other subjects.

Software Engineering Skills:

	Programming Languages	Frameworks	Database Tools / DBMS	Software Tools / Libraries
Proficient	Typescript, Javascript, Python, Java, Go, SQL, PHP, CSS/HTML, Protobuf, Bash	Angular, Spring, Jasmine, Flask, Gin, NextJS	MySql, PostgreSQL, SQLite, Alembic, PhpMyAdmin	GCP, Git, RxJS, NodeJS, npm, pypi, Gunicorn, Tailwind, Kubernetes, Webpack, Sass, React, Lit
Competent	C++, C, Ruby, Rust, R, Dart, Powershell	Jest, Svelte, Laravel, JUnit	Firebase, Bigtable, Redis, MS SQL Server	Vite, Vim, Maven, Docker

Education/Certificates:

GCP Professional Cloud Developer: certified June 2023.

Graduate (Physical Chemistry): University of Illinois at Urbana-Champaign, August 2019 – September 2021.
Principle Investigator: Dr. Yi Lu.
GPA: 3.93/4.00 (GPA credits: 21, research credits: 47)
Thesis Project: Design a functional model of the nitrogenase active site in a known, globular protein.

- Worked largely independently on my research, including software-aided rational design of proteins and writing a Python program to search the protein database for proteins with pockets of an inputted size/shape.
- Kept daily records of results and presented my progress biweekly at group meetings.

Teaching Assistant: UIUC, Urbana, IL, Fall 2019 – Fall 2020.

- CHEM 445/447 physical chemistry laboratory Fall 2019 – Spring 2020. Head TA Spring 2020.
- CHEM 102 general chemistry Fall 2020. On "List of Teachers Ranked as Excellent by their Students."

Undergraduate (Chemistry): Franciscan University of Steubenville, August 2015 – May 2019.
Bachelor of Science: *Summa cum laude*, conferred May 2019.
Majors: Chemistry and Biology, minor in Mathematics.
GPA: 3.99/4.00 (credits: 170)
Awards: Fr. Dan Egan award for top B.S. student in class of 2019, Chemistry award for class of 2019.

Computational Chemistry Intern: Duquesne University, Summer 2018. **Mentor**: Dr. Jeffrey Evanseck.

- Programmed from scratch Monte Carlo and molecular dynamics simulations of simple water models.
- One of 7 interns (of > 100) selected to present orally at the Duquesne Undergraduate Research Symposium.
- Continued research into 2018/2019 school year and wrote undergraduate thesis on the project.

Household Coordinator: Franciscan University, Steubenville, OH, Fall 2018 – Spring 2019.

- Ran household (similar to fraternity) by organizing events, recruiting new members, etc.