

# LUCCA WANG | SOFTWARE ENGINEER

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

Former nonprofit communications professional and email developer (HTML), now a full-stack developer (Python, JavaScript, React, Postgres, SQL). Strong skills in documentation, creative problem-solving, and a relentless drive to learn and grow.

## TECHNOLOGIES

**Languages** | Python, JavaScript (AJAX, JSON), SQL, CSS, HTML

**Frameworks & Libraries** | React, Flask, Agile, Bootstrap

**Industry Tools** | Git, GitHub, GitLab, Jinja2, Pair Programming, SQLAlchemy, Testing, VSCode

**Databases** | PostgreSQL, ActionKit, Osnum, NGP, Datatel, Salesforce

**General/Software** | Email on Acid, WordPress, Drupal, MailChimp

## PROJECTS

**PetPlanner** | [GitHub](#) | [Demo](#) | (Python, Flask, JavaScript, React, PostgreSQL, HTML, CSS, APIs)

- Full-stack web app built from scratch used by pet owners to centralize their pets' information in one location.
- Created an extensive and foundational data model and PostgreSQL database for many- and one-to-many relationships.
- Gained experience with date and time formatting in Python and React.js; implemented ORM SQLAlchemy, developed OO classes.
- Integrated three APIs, and utilized conditional rendering and dynamic generation (with Python's Jinja2 and React.js' mapping).

**Let's Eat!** | [GitHub](#) | (Python, Flask, JavaScript, HTML, CSS, API)

- Full-stack web app built from scratch, providing a solution to psychological analysis paralysis and simplifying decision making.
- Acquired and applied expertise in website accessibility standards and best practices.
- Leveraged Python's Random module and logic for the backend; integrated an API and datasets.
- Utilized media queries to create a responsive web app adaptable to multiple screen sizes.

## EXPERIENCE

**Freelance Tech and Web Engineer Volunteer**

July – Present 2024

**Las Cruces Tennis Player Association, Southwest Region, USTA**, Las Cruces, NM

- Advise on technology, build/manage the website

**Student Full-stack Software Engineer**

Nov. 2023 – Feb. 2024

**Hackbright Academy**, 100% Remote, San Francisco, CA

- Full-time 12-week immersion in core programming; CS data structures; Python OOP; JavaScript and React; Postgres relational databases and SQL; data modeling; unit and integration testing; and web technologies HTML, CSS, Flask, and APIs.
- Participated in daily scrum stand up meetings and collaborated with at least one cohort colleague per day during lab work.
- Built a solo independent full-stack [web app](#), and earned scores of 91-99% on all (7) technical assessments throughout the program.

**Digital and Content Strategist**

Feb. 2022 – Aug. 2023

**GPS Impact**, 100% Remote, Des Moines, IA

- Developed and sent 5-9 hand-coded emails a day using text editor NotePad++, HTML, AWS S3, and a SQL database mail client.
- Created weekly and quarterly performance reports with in-depth metrics on donations, email, social.
- Hired and mentored 2 paid interns who worked 30 hours a week and contributed to client work weekly.
- Wrote, crafted, and produced public affairs documents, including press releases, emails, and digital + web copy.

**Freelance Communications and Marketing Consultant**

March 2020 – Jan. 2023

**Self**, 100% Remote, Las Cruces, NM

- Identified objectives with client teams and leveraged project management skills to increase following, visibility, credibility, and sales.
- Produced communications deliverables, established processes, and coached client teams on best practices.

**Communications Coordinator**

June 2017 – Dec. 2020

**Kansas Coalition Against Sexual and Domestic Violence**, Topeka, KS

- Maintained and oversaw website, social media, email, and report deliverables for the public, media relations, stakeholders, funders.
- Worked with Directors and external Engineering vendor to match business needs with technical requirements and produce the website manual; led staff training on the new WordPress site; and managed the external Engineering vendor.
- Planned the largest annual legislative event of the year with budgeting, wrote speeches, and oversaw volunteers.
- Served as technical support for the website and the funder reporting database for the company and the databases of 26 partner orgs.

## EDUCATION

**Hackbright Academy**, Accelerated 12-week Fellowship; Certificate in Software Engineering

Nov. 2023 – Feb. 2024

**San Francisco Art Institute**, Bachelor of Fine Arts, Studio Art

Aug. 2011 – Sept. 2012

**Drake University**, Bachelor of Arts, Journalism and Mass Communication; Bachelor of Arts, Arts & Sciences

Aug. 2007 – May 2011

## ACTIVITIES & AWARDS

- Awarded O'Reilly 2024 DEIJ Scholarship (unlimited learning access to platform)
- Official Dona Ana County Voter Registrant (help register people regardless of party)
- Chair of Drake University Kansas City Regional Alumni Board

June 2023 – Present (June 2024)

May 2022 - Present

August 2018 - August 2021