**Roxy Wilcox** • 925.324.4758 • roxygwilcox@gmail.com

**EDUCATION**

**Northwestern University** – BA in Computer Science (3.87 / 4.0) Sept ‘18 – Jun ‘22

**TECHNICAL EXPERIENCE**

**InStore** – **Software Engineering Intern** • Evanston, IL Jan ‘21 – March ‘21

* Reviewed existing e-commerce web app with stakeholders to identify known strengths and gaps.
* Developed features for live business-to-customer e-commerce platform that supports small businesses.
* Learned Square Rest API and built ETL algorithm to work with Square’s image data and post it to InStore.
* Worked with Git to collaborate and merge code changes with a team of Python developers.
* Interviewed different user personas to gather market requirements and wrote specifications based on them.
* Designed new user interface for the e-commerce home page and worked with technical team to develop it.

**News Search Application** – **Full-Stack Developer** • Evanston, IL Jan ‘21 – Feb ‘21

* Downloaded latest WARC data from AWS, parsed the data, and posted the news articles to Elastic Search.
* Built a Java servlet that implemented a REST API to search the news article database.
* Implemented a React JS frontend that used my REST API to present news article search results.

**Freelance Web Development** – **Web Developer** • Evanston, IL Sept ‘20 – Present

* Designing and developing websites using HTML/CSS/JS and React for various clients based off their needs.

**Northwestern CS Department** – **Researcher** • Evanston, IL July ‘19 – March ‘20

* Designed a model using NLP to predict when a subject needs help while completing a task.
* Used logic to create formal language rules that dictated robot assistance based off the subject’s vocal cues during the task and implemented those rules in Prolog.

**TECHNICAL LEADERSHIP EXPERIENCE**

**Northwestern CS Department** – **Teaching Assistant** • Evanston, IL Sept ‘20 – March ‘21

* TA for CS 111: Fundamentals of Computer Programming, the largest CS course at Northwestern.
* Teaching 3 weekly tutorial sections on fundamental topics such as functional programming and recursion.
* Leading office hours to help students with programming assignments and conceptual questions.

**COVID-19 Visualizations** – **Product Manager** • Evanston, IL March ‘20 – June ‘20

* Expanded scope of the project based on my development team’s capabilities to include a webpage.
* Conducted user research to determine which COVID data representations would be most useful.
* Designed and developed visualizations that showed the effects of each phase of Illinois Stay at Home Order on number of cases, COVID tests conducted, and number of unemployment claims filed.
* Ensured that weekly goals were both met by development team and communicated to client through daily stand-up meetings and weekly client meetings.

**Xenah Developers** – **Chief Operating Officer** • Evanston, IL Jan ‘21 – Present

* Co-facilitating company stand-up meetings that discuss project progress and struggles.
* Matching paying clients with developers whose technical skillsets fit their project needs.
* Pinpointing lacking areas of company in its early stages and hiring/restructuring to address those gaps.

**Northwestern CS Department** – **Advisory Board Member** • Evanston, IL Sept ‘20 – Present

* Proposing and carrying out ideas to improve Northwestern’s CS Department.
* Implemented a mentorship program for CS freshmen during remote learning and acted as a mentor.

**SKILLS**

**Coding Languages and Technologies**: Python, Java, C++, HTML/CSS/Javascript, React, GitHub, AWS, REST, API development

**Languages**: English (native), Spanish, Farsi/Persian