

Emily Weintraub

646-556-5355 ◊ emilysweintraub@gmail.com ◊ emilysweintraub.com

EDUCATION

Northwestern University, Evanston, IL

June 2021

Bachelor of Science in Computer Science and Communication Studies, GPA 3.4/4.0

- *Relevant Coursework:* Computer Systems, Data Structures and Data Management, Artificial Intelligence, Computer Networking, Game Design and Development, Human Computer Interaction

EXPERIENCE

PeerPal: Student Peer Grading Tool, Northwestern University

June 2020 - Present

Software Developer & UI/UX Lead

- Spearheaded design and implementation of front end of web application for university use using next.js server side rendering with an express server
- Implemented automated system to dynamically update postgresql database based on user action and algorithm results
- Facilitated full stack-development of broader tool and high level technical direction of custom API

Northwestern Open Data Project, Under Direction of Professor Kristian Hammond

Jan 2020 - Present

Co-Founder, Frontend Engineer

- Devised and constructed navigational user interface of web application using React
- Performed aggregation of public student data from University data books, directors of research, and student surveys
- Pitched and coordinated relationship with Northwestern's Office of Institutional Research to obtain data resources and university support

Student Holdings, Northwestern University

Oct 2018 - Present

General Manager of RezEssentials

- Direct team of 7 student managers to oversee company-wide operations, marketing, finances and technology platforms to organize and deliver residential services to over 200 Northwestern students, resulting in 34% increase in annual revenue
- Redesigned UI for site's product and collection pages resulting in conversion rate of 5%, up from 3.81%
- Conducted student demographic analysis to identify and leverage target locations for promotional campaigns of Laundry services on campus, resulting in over \$23,000 of profit over 3-month span

PROJECTS

ElCare

Jan 2020 - March 2020

Human Computer Interaction Course, Northwestern University

- Ideated, developed and pitched ElCare, a multi-user application to allow family members to quickly check in with elderly loved ones online
- Conducted user testing with Northwestern students to prototype and adjust ElCare UX
- Created and designed front-end framework for application's UI using Figma and React

Nepal Earthquake Project

Sept 2017 – Sept 2018

Design for America, Northwestern University

- Cooperated with Nepal-based housing nonprofit to design durable, earthquake-proof building material using leftover rubble from previous earthquake disasters
- Researched properties of disaster-proof materials and analyzed Nepal's waste-removal systems to identify necessary constraints of brick design
- Developed a prototype using aluminum mold and sand-plastic mixture; presented at annual Design Expo attended by 50 university officials and Chicago-based designers

SKILLS Python, Javascript: Next.js, and React.js, C#, HTML/CSS, C++, Latex

SOFTWARE Adobe Photoshop, Adobe Illustrator, Figma, Unity