Emily Weintraub

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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 June 2020 - Present

Software Developer & UI/UX Lead

- Individually responsible for design and implementation of front end of web application using next.js server side rendering with an express server
- Dynamically updated postgresql database based on user action and algorithm results
- Assisted in full stack-development of broader tool as well as high level technical direction of the development of custom API

Northwestern Open Data Project, Under Direction of Professor Kristian Hammond Jan 2020 - Present

Co-Founder, Frontend Engineer

- Developed site's navigational user interface using React
- Aggregated public student data from University data books, directors of research, and student surveys
- Pitched and developed 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, generating nearly $40,000 in annual revenue
- 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
- Launched website for new Laundry service line, created e-marketing campaign that reached 1,100 students with click-through rate of 12.3%

PROJECTS

ElCare Jan - March 2020

Human Computer Interaction Course, Northwestern University

- Ideated, developed and pitched ElCare, an application that allows 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 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 the 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