

EFRA AHSAN

SEATTLE, WA | +1(360)-949-9164 | efra.ahsan23@gmail.com | efraahsan-7c5da.firebaseio.com

EDUCATION

University of Washington, Seattle WA

Sept 2020 - June 2023

Bachelor of Science, Informatics

Honors: iSchool Capstone Research Award 2023, Annual Dean's List 2022 - 2023

PROFESSIONAL EXPERIENCE

Self-Employed – *Freelance Web Developer & Digital Designer* – May 2023 - Jan 2024

Small-to-medium scale services for front-end web development, UX/UI prototypes, and printed graphic design.

- Converted visual designs into responsive customer-facing websites, using React and external libraries to build dynamic cross-platform features.
- Developed high-fidelity functional mockups for mobile and website wireframing, with close attention to detail in achieving style of brand identity, vision, and goals.
- Used graphic design softwares and imported graphics for high-resolution component vector material.
- Provisioned custom product roadmaps with support of iterative product revisions and enhancements.
- Provided recommendations for optimized front-end behavior and usability as to product niche.
- Resolved technical issues with client source technology management and web service support.

Quasistatics, Inc. – *Marketing Contractor* – April 2022 - June 2022

Liaised 10XR, an e-commerce wearable technology start-up, with potential buyers in King County to build a client list. Main use of headset is to utilize computer vision to act as a smart assistant to warehouse workers.

- Developed phone and email pitches to advertise the product and schedule live product demonstrations.
- Professionally answered questions regarding sale and technical information of the software technology.
- Drafted a product evaluation report listing buyer concerns and user feedback collected from demos.

PROGRAMMING EXPERIENCE

Shades Beta Hackathon – *Product Features* – April 2023

High-fidelity mockup development of user-centered functionalities for a multimedia beta application.

- Designed user journeys and web elements for enhancing customer experience.
- Utilized Figma and graphic design tools to map a demonstrable prototype.

GardenSpace – *Senior Capstone* – Jan - June 2023 – <https://github.com/efra-tech/icapstone>

Open-source data and web project for connecting Seattle individuals to their local urban gardening communities.

- Constructed a user-validated web front-end using React, with cross compatible features and JSON data transition.
- Led structuring and debugging of siteware programs, including hand-coding of initial prototype.
- Spearheaded server-side and client-side troubleshooting and version conflicts.
- 2023 Capstone Research Award winning project from University of Washington Information School.

OurFamily – *Web Project* – Jan - March 2023 – <https://github.com/info340b-wi23/project-efra-tech>

Course project app with digital cookbook, photo archive, and calendar features made for connecting families online.

- Installed cloud-based data infrastructure via Firebase to seamlessly handle user requests to the server-side.
- Styled client-side responsiveness and dimensionality using CSS, object-notation styling, and React state objects.

Synaptech @ UW – *Website Development Team* – Sept 2021 - May 2023 – <https://synaptechuw.org/>

Co-Leader of the undergraduate neurotechnology organization website development team.

- Co-directed the programming and design teams over the initial two lifecycles.
- Translated stakeholder specifications into workflows for constructing brand book and code prototypes.
- Taught onboarding members how to use web technologies such as GitHub, Figma, and Jupyter Notebook.
- Successfully integrated and tested NVDA web accessibility.

SKILLSET

Programming Languages: Python, JavaScript (ES6+), CSS (CSS3), HTML (HTML5), R, SQL/SQLite

Libraries/Frameworks: Git, React.JS, Node.JS, Bootstrap, Firebase, Pandas, NumPy, Statsmodels

Tools: GitHub, NPM, Jupyter Notebook, Microsoft Azure SQL, VSCode, Figma, Photoshop, Canva, RStudio

Classes: Software Architecture, Data Algorithms, Data Programming, Client-Side Development, Web Programming, Database Systems, Advanced Data Science Methods, Information Architecture, Innovation Strategy, & Leadership Development