EFRA AHSAN

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EDUCATION

University of Washington, *Seattle WA* *Sept 2020 - June 2023*
Bachelor of Science, Informatics
<u>Honors</u>**:** 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.

PROJECT EXPERIENCE

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.

Dirt Masters, Inc. *— IT Consulting Course Project – March - June 2023*
Provided IT consultation to a Washington-local, minority-owned excavation company to improve business operation.
- Researched and modeled external business environment, internal function and financials, and IT operation.
- Developed implementation timeline and financial estimation for IT and market reach recommendations.
- Assessed website functionality and SEO performance to identify areas of optimization for increasing traffic.

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