

EFRA AHSAN

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EDUCATION

University of Washington, Seattle WA

Sept 2020 - June 2023

Bachelor of Science, Informatics

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

SKILLSET

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

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

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

Courses: Software Architecture, Data Structures & Algorithms, Database Systems, Web Programming, & Innovation Strategy

PROFESSIONAL EXPERIENCE

Veeve, Inc. – Freelance Web Designer

Aug 2023 - Jan 2024

- Created high-fidelity UX/UI mockups to prototype a feature integration for an AI-powered grocery cart app.
- Worked with client in designing feature behavior that sustained the existing architecture and stakeholder needs.
- Achieved designing custom material of graphic components, structural layouts, and feasible front-end functionality tailored to the user and competitive market niche.

Youfeed.io – Freelance Web Developer & Web Designer

Jul 2023 - Nov 2023

- Worked with a local foodie connection start-up in developing app mockups and a reliable landing page.
- Accomplished turning client ideas into model prototypes and a full market-interactable web product.
- Implemented dynamic cross-platform features and responsive UI code components with React.

MexiKhaana – Freelance Graphic Web Designer

June 2023 - Jul 2023

- Crafted high resolution designs of the flash banner for a local Mexican & Pakistani fusion food cart start-up.
- Spearheaded iterative collaboration with the owner from concept to delivery.

Quasistatics, Inc. – Marketing Contractor

Apr 2022 - June 2022

- Liaised 10XR, an e-commerce computer vision start-up, with a prospective client list in Greater King County.
- 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 product evaluation report listing buyer concerns and user feedback collected from demos.

PROGRAMMING EXPERIENCE

SWE Hacks – SWE Hackathon – April 2024

- Collaborative prototyping of user-centered functionalities with Shades: a Life & News beta application.

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

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

- Made user-validated web front-end using React, with integrated RESTful API of project data.
- Led structuring and debugging of programs, and outpaced peers by 17K+ more lines of code contribution.
- Conducted user research, usability testing, and data analyses in RStudio to inform design decisions.
- Resolved technical troubleshooting with servers, web services and version control conflicts.
- 2023 Capstone Research Award winning project from University of Washington Information School.

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

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

- Architected cloud-based data infrastructure via Firebase to enable user data requests to server-side.
- Used CSS and React state objects for front-end styling, heading the code contributions at 22K+ lines of code.

Synaptech @ UW – Software & Hardware Club – Sept 2021 - May 2023 | <https://synaptechuw.org>

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

- Co-directed the programming and design teams over the initial two lifecycles.
- Translated project goals into workflows for constructing brand book and code prototypes.
- Mentored onboarding members and conducted quality reviews for ensuring performance and consistency.
- Integrated and tested NVDA standard web accessibility.