

Weston Norwood

Microsoft LEAP Applicant

A career in architecture kindled a passion for building tools that solve problems, integrate technologies, and help people. I am a new software engineer driven to contribute to elegant solutions with user experience as a guiding principal. I thrive in diverse, collaborative spaces, and I am fueled by curiosity and focused determination.

Technical Skills

Languages

- HTML5
- CSS3
- JavaScript

Design

- Figma
- Illustrator
- Photoshop

Libraries & Frameworks

- ReactJS
- Node.js
- Express

Visualization

- Power BI
- Tableau

Database

- MongoDB

Other Tools

- VSCode
- Github
- Postman

Soft Skills

- Excellent communicator & listener
- Perseverance with problem solving
- Detail oriented
- Adaptable
- Great teammate, and willing to step into roles of facilitation or leadership.

Education

Masters of Architecture

University of Washington | 2016

BA Architectural Studies

University of Kansas | 2009

Contact Info

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Side Project

Simply Lists | Spring 2022

Narrative: A platform to facilitate sharing information in a concise, digestible format. Favorite Sci-Fi reads, a curated list of local charities, backpacking trips; this is a place to share what you love.

Technologies Used: Node.js, Express, MongoDB, ReactJS

Challenges: Managing complex state with context hook, designing api endpoints, constructing threaded commenting section, working with authentication and designing components to function with varying levels of access.

In development: Ability to categorize lists & voting.

Relevant Professional Experience

Project Designer @ Hinge Studio

Seattle, WA | 09/2018 - Current

- Project manager and team lead on projects including residential remodels, veterinary clinics, and the renovation of a church.
- Built custom Python tools for Revit (AutoDesk BIM application)
- Built a utility to help gather imagery using Python and BS4
- Created a Microsoft Power BI, company dashboard, which aggregates data from multiple API endpoints and enables analysis of project and team performance.

Arch 1 @ Perkins & Will

Seattle, WA | 06/2016 - 09/2018

- Team member on projects ranging from feasibility studies and 40-story towers, to biomedical facilities and competitions.
- Co-taught UW Architecture Design Studio. Built a Grasshopper script that allows students to specify parametric components of building design, and iterates through designs while performing simulations for various sustainability metrics. Taught students the basics of scripting with Grasshopper and guided students in creating their own custom functionality.
- Co-led internal CODE group, which advocates for the integration of computational design, identifies tools and innovations to empower designers, and builds internal tools.
- Built a grasshopper script to iterate through building massing and simulate the solar impact on the neighboring building. The script cleans the simulation results for use in a Tableau dashboard. The dashboard served as an exhibit in a legal case.
- Built tool to automate exporting model images from various views and layer states.
- Co-developed a process to translate art from the Frye into perforation patterns on panels. Bit sizing, drill patterns, and panel layout were all generated programmatically.

Research Assistant @ UW Center For Integrated Design

Seattle, WA | 06/2014 - 06/2016

- Co-developed tools for assessing the performance of the Bullitt Center building on Capital Hill. Utilized Beautiful Soup to automate the collection of weather data from the Wunderground API, and Pandas to clean the data and resample it to match the timeframe of data from the building's sensors.
- Automated the capture and processing of HDR images in the building to analyze daylighting levels in various spaces.