

Daniel Ra

Product Designer + Software Engineer

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Experience

Graduate Software Engineering Consultant

Aug.2018 - Jan.2019

Morgan Stanley | New York, NY

- Worked within Teradata, SQL, Python, R, and D3 to create a dynamic analytics dashboard for data-container visualizations.
- Researched Big data warehouses to establish an ontology that was used to normalize field data across containers to boost analyst productivity.

User Experience Design & Engineering Intern

Oct.2017 - Aug.2018

T-Mobile | Bellevue, WA

- Researched, designed, and developed an internal contracting portal for teams within the org. Optimized organizational spending on third party vendors by 8%.
- Developed, and designed a repository for research reports. Worked in Docker, Jenkins, S3, and Artifactory to deploy a cloud-based architecture at scale.

User Experience Design & Engineering Intern

Jun.2017 - Aug.2017

SAP | Bellevue, WA

- Implemented accessibility features for the visually impaired, conducted additional research to optimize the hand off of assets to engineers by up to 21%.
- Worked within an agile team using tools such as GIT, and JIRA to release a new feature for SAP's travel expense application using Swift 4.

Software Engineering Intern

Oct.2016 - June 2017

T-Mobile | Bellevue, WA

- Utilized big data to bin packet losses more effectively using SQL, and Python. Imported this data into Tableau to map frequency distributions of cities.
- Programmed a M.E.A.N based application that automated legacy tools for customer service reps, officially rolled out to dozens of call centers.

Projects

Genesis (Genome Sequencing Analysis Platform)

Oct.2016

Collaborated with UW Researchers to develop a DNA sequencing program that helps geneticists analyze information more efficiently.

Founder, Identity Studio LLC.

Sep.2011

Created a platform that connected design students from across the globe with opportunities in Seattle. Worked with clientele to draft over 32 Design Briefs.

Education

Master of Computer Information Science | Engineering

Jan.2020

Cornell University, Ithaca

Bachelor of Cell Biology | Minor: English

Jun.2018

University of Washington, Seattle

Bachelor of Computer Information Systems | Networking

Jun.2018

Bellevue University, Omaha

Awards & Achievements

Featured on Issues # 48, and 55 of Advanced Photoshop International Magazine
2x Winner of the Adobe Creative Suite National Competition hosted by Behance
Semi-Finalist of the Nvidia Speak Visual Design Digital National Competition
Contributor to the Alpine Flowers of Mt. Rainier Burke Museum Publication
University of California, San Diego Interaction Design Specialization Cert.
Coding Dojo Full Ride (\$12,000) | Impact Scholarship Recipient

Skills

Design

Mobile, and Web User Interfaces
Wireframing, and Mockups
Interaction Design
Storyboarding
User Personas
Matte Painting
Illustration
Branding

UX Methods

Survey and Interviewing
Competitive Analysis
Affinity Diagramming
Heuristic Evaluation
Data Analytics
Task Analysis
Card Sorting

Software Tools

Adobe After Effects
MSQL Workbench
Adobe Photoshop
Invision | Proto.io
Adobe Illustrator
Raspberry Pi
Sketch 3
Basalmiq
Tableau
Xcode
Alteryx

Development

Javascript | Node | AngularJS + 5 | Mongo
Swift 4 | Sockets | Core Data | Firebase
Python | Django | Web Crawler | Shell
HTML | CSS | Less | JQuery | Bootstrap
RedHat Linux | Docker | S3 | Alexa Toolkit
MySQL | NoSQL | ERD Diagrams
Data Structures | API Architecture
Git | Bash | AWS CLI
R

MISC. Skills

Computer Hardware Technician
Photography, Microsoft Office
Fluency in Korean, English