

Daniel Ra

Product Designer + Software Engineer

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Experience

Graduate Student Software Engineer

Aug.2018 - Jan.2019

Morgan Stanley | New York, NY

- Worked within Python, and the Elastic Stack to create an indexing system, and API that synced up to a Kibana visualization layer for analytics purposes.
- Researched, and designed the UX for the dashboard. Coded an alternative AngularJS, Chart.js architecture. Built out interactive prototypes for testing.

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, designed an Elasticsearch based distributed file system. Worked in Docker, Jenkins, S3, and Artifactory to deploy a cloud architecture at scale.

User Experience Design & Engineering Intern

Jun.2017 - Aug.2017

SAP | Seattle, WA

- Implemented accessibility features for the visually impaired, conducted additional research to optimize the hand off of assets to engineers by up to 21%.
- Designed, developed, and released a feature for SAP's travel expense application in Swift. Created interactive prototypes in Proto.io for user testing.

Software Engineering Intern

Oct.2016 - June 2017

T-Mobile | Bellevue, WA

- Leveraged big data to bin packet losses more effectively using SQL, and Python. Imported this data into Tableau to map frequency distributions amongst cities.
- Programmed a M.E.A.N based application that automated legacy tools for customer service reps, officially rolled out to 12 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

User Testable Interactive Prototypes
Mobile, and Web User Interfaces
Wireframing, and Mockups
Information Architecture
Interaction Design
Storyboarding
Matte Painting
Illustration
Branding

UX Methods

Design Thinking, Double Diamond
Qualitative, Quantitative Methods
Contextual Interviews
Competitive Analysis
Affinity Diagramming
Preliminary Surveys
Heuristic Evaluation
Paper Prototyping
Persona Creation
Usability Testing
Card Sorting

Software Tools

Invision, Proto.io, Framer
Adobe After Effects
MSQL Workbench
Adobe Photoshop
Adobe Illustrator
Raspberry Pi
Basalmiq
Postman
Tableau
Sketch
Alteryx
Xcode

Development

RedHat Linux | Docker | S3 | Alexa Toolkit
Javascript | Node | AngularJS | MongoDB
Logstash | Elasticsearch | Kibana | Beats
Swift 4 | Sockets | Core Data | Firebase
Python | Django | Shell Automation | R
Data Structures | API Architecture
HTML | CSS | JQuery | Bootstrap
MySQL | NoSQL | ERD Diagrams
Git | AWS CLI

MISC. Skills

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