

# Danielle Scott

 danielles.io

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 danielle-io

 danielle-amanda

## SKILLS



### LANGUAGES

C++    JavaScript  
C#     Python  
HTML   TypeScript  
Java

### FRAMEWORKS

Angular    React Native  
jQuery    Three.js  
Node.js    Vue.js  
ReactJS

### DATABASES

Firebase  
MongoDB  
MySQL

### TECH

Android Studio    Ionic  
Azure                L<sup>A</sup>T<sub>E</sub>X  
Databricks        PowerShell  
Git                    Unity

## EDUCATION

### UNIVERSITY OF CALIFORNIA, IRVINE

BS in Informatics | Fall 2020  
*magna cum laude* | 3.92 GPA

## RESEARCH

### CONECTAR

March 2019 - Present

- Conducted research on teaching CS concepts to marginalized youth.

### CYBER SECURITY REU

June 2020 - Dec. 2020

- Refined undergrad. cyber security curriculum.

### SANA | C++

Sep. 2019 - Dec. 2019

- Refactored a global alignment network for macOS, resulting in a cross-platform app.

### NASA JPL | PHP JS Three.js

Sep. 2018 - June 2019

- Created a 3D global warming simulation game on top of the Virtual Earth System Lab.

## LEADERSHIP

### WICS | 2018 - 2020

Corporate Chair 2019

- Secured 12 paid company sponsorships & led committee.
- Participated in community outreach diversity initiatives.

### VENUSHACKS | 2019 - 2020

Corporate Director 2020

UCI's First Women's Hackathon

- Raised \$10K in sponsorships.
- Directed corporate strategy.

## EXPERIENCE

### MICROSOFT

Software Engineer | January 2021 - Present

- Built out an end-to-end data analysis process to clean, visualize, and model data using decision tree analysis within Databricks and Power BI.
- Created the process for an internal system migration, and converted script syntax and dev-ops configurations to allow for a seamless transition.

Software Engineering Intern | June 2020 - September 2020

- Wrote PySpark scripts to join the internal Microsoft Teams datasets in Databricks and used ML to identify influential factors on the user experience.
- Built an environment to automate machine learning scripting with logistic regression so users could select variables to generate summaries and visuals.

### MIDMARK

Software Engineering Intern | June 2019 - June 2020

- Created a medical device and patient EMR web app from the ground up using front-end technologies along with a SQL database & a REST API.
- Optimized the back-end in C# to effectively connect the web app with various medical devices and communicate the results.

## PROJECTS

ICS SEARCH ENGINE | Python JS HTML Node.js MongoDB

- Created a search engine that crawls the ICS domain. I designed a built the UI, allowing users to see real-time results for their search.
- Stored and retrieved lemmatized tokens with calculated tfidf scores & metadata in an inverse index in MongoDB, then used cosine similarity to display ranked relevant results for the user's query.

IMAGE RECOGNITION APP FOR AUTISM | React Native Firebase SQL

- Led the development of a mobile app. to gamify tasks for kids with Autism. This was delivered to The Innovation Lab as the foundation of their product.
- Designed the SQL database schema, and leveraged Firebase for media files allowing fast response times and optimal usability.
- Implemented image recognition for task completion using Google Vision's API, providing a thorough approval system that begins in real-time.

VIRTUAL HELP CENTER | Vue.js Ably MongoDB

- Designed & developed an online tutoring center to connect students with tutors. Used MongoDB for the database and Ably for the pub sub model to modify user queues & update the UI in real-time.
- Created a CMS, session rating system, synced countdown to accept sessions for users, session histories, and the ability to cancel, edit, or re-open sessions.