Danielle Scott

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE Fall 2020

School of Information & Computer Sciences

BS in Informatics | 3.92 GPA

Specialization: Human Computer Interaction

LANGUAGES + SKILLS

LANGUAGES

C++, C#, HTML, Java, Python, JavaScript TypeScript

FRAMEWORKS

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

DATABASES

Firebase, MongoDB, MySQL

TECH

Android Studio, Azure, Git, Ionic, LATEX, SVN, Unity

LEADERSHIP

WICS COMMITTEE

2018-2020

Corporate Chair

Women in Information & Computer Sciences
- Secured 12 paid company sponsorships
- Led committee (2019-2020)

VENUSHACKS 2019-2020

Corporate Director

UCI's First Women's Hackathon
- Raised $10K in sponsorships
- Directed corporate strategy

RECOGNITION

2ND PLACE GOOGLE TECH CHALLENGE May 2019

GRACE HOPPER SCHOLARSHIP (X2) June 2018 & '19

TOWN AND GOWN SCHOLARSHIP June 2019

DEAN'S HONOR LIST All Quarters

EXPERIENCE

MICROSOFT

Software Engineer | January 2021 - Present
- Provided product data insights for the Service Health Insights team.

Software Engineering Intern | June 2020 - September 2020
- Wrote *PySpark* scripts to join the internal Microsoft Teams datasets in *Databricks* in order to explore areas in which the Teams experience can be improved.
- Built an environment to automate machine learning scripting with logistic regression where 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* datbatase & a REST API.
- Worked on optimizing 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
- Created a search engine that crawls the ICS domain.
- 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 displayed in the UI I designed and built.

IMAGE RECOGNITION MOBILE APP FOR AUTISM | React Native
- Created a cross-platform mobile application for The Innovation Lab to gamify the completion of daily tasks for kids with Autism. Designed the database in *MySQL*, and used *Firebase* for media storage & retrieval. Task completion was validated using image recognition utilizing *Google Vision's API*.

VIRTUAL HELP CENTER | Vue.js
- 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.
- Some features included: CMS for admins to modify users, session rating system, synced countdown to accept the session once matched, session histories, and the ability for students to cancel, edit, & re-open a session.

RESEARCH

CONECTAR March 2019 - Present
- Conducted research on teaching CS concepts to marginalized youth.

CYBER SECURITY REU June 2020 - December 2020
- Assisted in refining curriculum for undergraduate cyber security modules.

SANA Sep. 2019 - December 2019
- Used *C++* to successfully refactor the global alignment network code for macOS, resulting in a cross-platform application.

NASA JPL / UCI Sep. 2018 - June 2019
- Created a global warming simulation game on top of VESL (Virtual Earth System Laboratory) using *Three.js*, *PHP*, *HTML*, and *Python*.