Dylan D. Skelly

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EDUCATION

University of Central Florida   **Class of 2022**
- *GPA: 3.83*
- Currently enrolled in Bachelor of Computer Science
- Coursework: Calculus 2, Computer Science 2, Object Oriented Programming, Intro to Discrete Structures
- Awards/Honors: Presidents Honor Roll Certificate (Full-Time), AP Scholar with Distinction, Florida Medallion Scholar

SKILLS

Programming Languages: (Proficient): Java, Python, C, JavaScript, HTML/CSS (Familiar): SQL, PHP
Language: Fluent in English, Limited Spanish

WORK EXPERIENCE

Software Engineering Intern, *Mitre*   **August 2019 – Present**
- Uses a MERN stack to further development on a web application titled Team Overmatch. The sponsors requirements for the project are for it to extend an existing applications functionality (Squad Overmatch) by including the ability to fully customize certain aspects of the application's content in order to increase the scope of its applications.
- Leveraging knowledge in React.js, Node.js, Redux, Express.js, MongoDB, NoSQL, Docker, Git, JavaScript, HMTL, CSS.

Software Development Intern, *Go Port*   **May 2019 – August 2019**
- Used a LAMP stack to improve a web application that sees 500,000 customers each year.
- Created a REST API and front end for a profile settings page for admin dashboard to allow for users to manage their account.
- Assisted in moving entire website to new design system. Includes recreating the HTML and CSS for each page to match new design for it and changing routing on several pages to match a new system we have in place.
- Leveraged Knowledge in Full Stack Web Development, MySQL, PHP, Git, JavaScript, JQuery, Bootstrap, HTML, CSS, SCSS.

Software Development Intern, *GratSee Inc. (Startup)*   **February 2019 – May 2019**
- Furthered development of Orlando startup's mobile app by ensuring app was fully compatible for Android and implementing several features including a filtration system to let users filter their matches. Also built all front-end components and routing for admin dashboard. Efforts allowed the app to experience a successful launch on the Google Play Store.
- Leveraged Knowledge in React.js, Node.js, React Native, Redux, Next.js, JavaScript, HTML, CSS, Git, Android Development.

Coding K12 Student Research Assistant, *Orange County School District*   **January 2019 – April 2019**
- Assisted a team of undergraduate research assistants in developing educational resources for students in Orange County that combined programming and the school curriculum to ease implementation. These resources are being implemented in every seventh-grade science class in a district of 15,000 students this year.
- Leveraged knowledge in Python, Matplotlib, Pandas, Numpy, Jupyter Notebooks, Google Collab.

PROJECTS

Knight Hacks Event Website   **August 2019 - Present**
- Working with team of seven other developers and three designers to create a dynamic web application that will serve as the primary source of knowledge and the means of registration for our hackathon this year, with an expected 800 attendees.
- Utilizing: React.js, Node.js, Redux, JavaScript, HTML, CSS, NoSQL, Google Cloud Platform, Firebase, Git.

Weeks w/ Friends   **July 2019 – Present**
- Android app that allows the user to schedule events for their week and friend other users so that they're able to view friend's weeks at a glance.
- Utilizing: Java, XML, NoSQL, Figma, Google Cloud Platform, Firebase, Android Studio.

Punnett Square   **January 2019 – April 2019**
- Generates and analyzes a Punnett square based on input from students that they can then alter and change to learn fundamental programming concepts in a way that relates to the curriculum. Currently in use in every 7th grade science class in Orange County.
- Utilized: Python, Numpy, Pandas, Matplotlib, Jupyter Notebooks, Google Collab.

LEADERSHIP EXPERIENCE

Vice President / Director, *Knight Hacks*   **January 2019 – Present**
- Efforts have seen club attendance increase from 25 people weekly at beginning of my involvement to over 110 people.
- As a director, attends weekly operations meetings to work with seven other directors in the organization of the Knight Hacks hackathon event at UCF. My area of focus is on utilizing and collecting data to aid decisions for the event.
- As vice president, work with team of four executive board members to coordinate many aspects of the organizations like weekly workshops on different technologies, events with sponsors, and the overall success of the organization.

Mentor, *First Step UCF*   **August 2019 - Present**
- Give weekly meetings on career development skills like resumes, LinkedIn, personal projects, etc. to a group of freshman at UCF. Purpose is to increase their potential of becoming involved with an internship, undergraduate research, or other enriching experience in order to get ahead their freshman year.